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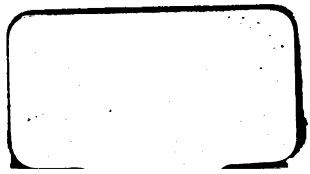

THE

MERCHANTS'

AND

IRON TRADES' GUIDE,

Engineers' and Mechanics' Companion, &c.,

BEING A

TREATISE IN FIVE SECTIONS,

COMPRISING TABLES ON THE

WEIGHTS AND MEASUREMENTS OF METALS, STONE, AND TIMBER; STRENGTH OF MATERIALS; GOVERNMENT CHAIN AND ANCHOR TESTS; BOILER BUILDING; FORGING; ROLLING; MOULDING; COG-WHEEL PATTERN MAKING; SMITHING, &c.;

TOGETHER WITH

SIMPLE AND COMPOUND INTEREST TABLES,

AND

MONEY PRICES ADAPTED FOR THE PAYMENT OF WAGES; MONEY EXCHANGE, AND PAR OF EXCHANGE ON FOREIGN COUNTRIES;

AND ALSO A SERIES OF TABLES ON

WEIGHTS, MEASURES, AND PRICES OF OILS, SPIRITS, AND OTHER LIQUIDS, SUITABLE TO MANUFACTURERS AND SHIP CAPTAINS.

BY JOSEPH HOGG.

NEWCASTLE-UPON-TYNE:
ANDREW REDSHAW, 40, GREY STREET.

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PREFACE.

In coming before the public with the second edition of the MERCHANTS' AND IRON TRADES' GUIDE, the Author deems it unnecessary to make any lengthy statement regarding its merits, as every page is of itself sufficiently explanatory and instructive.

The first edition having been circulated through every quarter of the civilized globe, is an ample proof of its great utility. The multiplicity of communications, which the Author has received relative thereto, from eminent practical men, establish the fact that a great saving, both as regards time and the expense of material, has resulted from its publication.

Much thought, after many years practical experience in connection with the iron trades, having been devoted to the production of this edition, the Author rests doubly confident in the successful issue of his labours; and, therefore, now submits his work to the scrutiny of business men, as peculiarly adapted to the requirements of the day.

In conclusion, the Author tenders his sincere thanks to those friends who have favoured him with their names as subscribers, and trusts that the practical value of the work will amply compensate them.

CONTENTS.

SECTION 1.

Price table from 5d. up to £168 per ton, 1 up to 288 inclusive.

Prices equivalent to weights and numbers, 289 and 290.

Progressive interest tables for 1 day, from 3 to 5 per cent, 291 to 318 inclusive.

Interest tables for 1 month and from 1 up to 25 per cent, 319 to 327 inclusive.

Interest tables for 2, 3, and 6 months, and from 2 to 5 per cent, with easy methods up to 10 per cent, 328 to 333 inclusive.

Commission discount or interest table from ¼ up to 35 per cent, showing the interest due from 1s. up to 1 million pounds, 334 to 347 inclusive.

Decimal simple interest of £1 for any number of days, 348.

Decimal simple interest for any number of years not exceeding 25, 249.

Compound interest table for 50 years from 3 to 10 per cent, 351 and 352.

Compound interest annuities, 353 to 357 inclusive.

Industrial building table calculated at 6 per cent with interest and principal brought up every 3 calendar months for the term of 20 years, 358 to 361 inclusive.

Bills of exchange, and par of exchange, with all the principal countries of the world, 362 to 380 inclusive.

SECTION 2.

Practical lengths for making plain hoops from hot bars, 381 to 385 inclusive.

Practical lengths for making railway carriage and locomotive wheel tyers, boiler tubes, steam-boat paddle rims, bevil hoops, &c., &c., 386 to 394 inclusive.

Practical lengths for angled iron rings, angle turned outside pages, 395 to 398 inclusive.

Practical lengths for angle iron rings, angle being turned inside, 399 to 403 inclusive.

Diagram for conical flues, 404 and 405.

Diagram for bevil hoops, 401 & 407

Diagram for bevil tank, 408.

Remarks upon hoop and ring making, 409.

Screw cutting by a lathe, 410 to 412 inclusive.

Screw taps and nut guages, 413.

Pitch and diameter of cog-wheel, 414.

Strap motion and cone speeds, 415 and 416.

Mensuration, 417.

Mechanical exercises and diagrams for making cog-wheel patterns, 417 to 422 inclusive.

Steam engine safety valve, &c., 423 to 428

Steam used expansively 429 to 432.

Pumping engine, 433.

Pendulums and governors, 434 and 435.

Proportions for shafting and piston rod - &c., 435, 436, and 437

Locomotive engines, 437 to 442.

Modulus of machines, 442 and 443.

Experiments on a canal 443 and 444.

Labouring forces, 444 448 inclusive.

Work of a forge hammer, 488 and 489.

Diagrams of levers, 450 and 451.

Slide rule, 451 to 457 inclusive.

Levelling, 457 and 458.

Accumulated work or

force of gravity, 458 to 460.
Work developed by the air, 460 and 461.
Velocity of the wind 462

SECTION 3.

Decimal parts of a yard and a foot, and examples, 463 to 465 inclusive.
Decimal parts of a pound, 466.
Specefic gravities, 466 to 470 inclusive,
Wire guages, 470 to 471
Weight of a superficial square foot of different metalic plates, 472.
Weight of wooden patterns and loam, compared with metalic castings, 473.
Methods for calculating metalic pipes,
Weight of hoop iron, 475.
Weight of round rolled iron, 476 and 477.
Weight of square rolled iron, 478 and 479.
Weight of flat rolled iron, ¼ inch thick, 480 and 481.
Flat iron ⅜ thick, 482 and 483.
Flat iron, ½ inch thick. 484 and 485.
Flat iron ⅝ inch thick, 486 and 487.
Flat iron ¾ inch thick, 488 and 489.
Flat iron ⅞ inch thick, 490 and 491.
Flat iron 1 inch thick, 492 and 493.
Weight of 1 foot of forged round shafting, 494 and 495.
Weight of 1 inch in length of round Forged iron, 496 to 498 inclusive.
eight of 1 foot of square forged iron shafting, from 1 inch up to 36 inches, 499 and 500.
Weight of 1 foot of flat forged iron of different sizes, 501 to 508 inclusive.
Weight of 1 foot angled iron, 509.
Weight of hexagon nuts 510.
Weight of 1 foot convex iron, 511.
We ght of rolling mill slabs, 512.
Number of feet of any description of bars in 1 ton, 513 and 514.
Rol ing mill long weight and short weight tables, 515 and 516.
Weight of 1 foot of round cast iron, 517.
Weight of 1 foot of flat cast iron, 518 and 519
Weight of 1 foot of flat steel of different dimensions, 520 to 522
Weight of 1 foot of round and square brass 523.
Weight of wrought iron, cast iron, cast brass, cast lead balls, 524 to 528 inclusive.
Weight and dimensions of tin, 529
Weight of 1 foot of copper pipes, 530.
Weight of cast iron pipes, 531 to 537 inclusive.
Remarks on section three, 538.

SECTION 4.

On the strength of materials, 539.
On the cohesive strength of metals and timber, 540 and 541.
Comparison of short link chains with ropes, 541.
The royal navy chain test, stud link. with comparison bet: een the strength and weight of hempen cables, 542.
The strength of round wire ropes, 543.
Trotman's patent anchor, with full directions and comparison of weight suitable to the burthen of all vessels from 100 up to 1900 tons, as approved of by the marine board, 543 and 544.
Hawks, Crawshay, & Sons anchor and chain tests, giving proper sizes suitable for vessels from 5 to 1000 tons register, with a comparison on the strength of ropes, 545.
Various tests made on cast iron bars, 546.
Strength of flat wire and flat hempenropes compared, 547.
Cohesive strength of different metals, one

inch square, and the length in feet that would break each metal with its own weight, 547.
Elasticity and strength of differentspecimens of timber, 548 & 549.
On the cohesive properties of timber, and the altitudes that the various specimens can be raised in feet by the action of their own weight, 549.
Woolwich dockyard test on round and square bars, 549 and 550.
Strength of hempen ropes and rules for finding same, 550 551
Strength and puncture of boiler plates, with a comparison of the best form for rivetted joints, by Mr. Fairbairn, 551 to 554.
Expansion and contraction of metals, 555 and 556.
Effect of heat on different metals, 556.

SECTION 5.

Arithmetical signs, 557.
Roots, areas, and cubes, 558 to 571 inclusive.
Numbers and roots, 571 to 579.
Algebraical method of raising powers and roots, 579 and 580.
Definitions in numeration, 580 and 581.
Decimal approximations for calculations, 581 and 582.
Alloys of metals, 582 and 583.
British standard measures, 583 to 586.
The distance, bearings &c., from London latitude and longitude from Greenwich to all the principal countries in the world 586 and 587.
Length of a degree of longitude corresponding to every degree of latitude 588
Multipliers for metals, 589.
Sizes of drawing paper, 589.
Contractions used in this work, 590.
Weights and measures of the various kinds of oils, 590 to 597.
Spirits and other liquids, 598 and 599.
Subscribers 600.

PRICE TABLE.

SECTION I.—TABLE I.

5*d.* per ton, ¼*d.* per cwt. Rate per qr. cwt., stone, & lb.						No.	5*d.* per ton.	½*d.* p.cwt., bush., day, or yard.	qr. cwt., pk., ¼ day, ¼ yard, average ¼ of a farthing.
qr. lb.	dec. far.	qr. lb.	dec. far.	qr. lb.	dec. far.		s. d.	d.	d.
3 27	·9910	2 18	·6607	1 9	·3303	2	0 10	0½	0
3 26	·9821	2 17	·6517	1 8	·3214	3	1 3	0¾	0
3 25	·9732	2 16	·6428	1 7	·3125	4	1 8	1	0¼
3 24	·9642	2 15	·6339	1 6	·3035	5	2 1	1¼	0½
3 23	·9553	2 14	·625⅛	1 5	·2946	6	2 6	1½	0¾
3 22	·9464	2 13	·6160	1 4	·2857	7	2 11	1¾	0¾
3 21	·9375	2 12	·6071	1 3	·2767	8	3 4	2	0
3 20	·9285	2 11	·5982	1 2	·2678	9	3 9	2¼	0¼
3 19	·9196	2 10	·589?	1 1	·2589	10	4 2	2½	0½
3 18	·9107	2 9	·5803	1 0	·25 ¼	11	4 7	2¾	0¾
3 17	·9017	2 8	·5714	0 27	·2410	12	5 0	3	0¾
3 16	·8928	2 7	·5625	0 26	·2321	13	5 5	3¼	0
3 15	·8839	2 6	·5534	0 25	·2232	14	5 10	3½	0¼
3 14	·875⅓	2 5	·5446	0 24	·2142	15	6 3	3¾	0½
3 13	·8660	2 4	·5353	0 23	·2053	16	6 8	4	1
3 12	·8571	2 3	·5267	0 22	·1964	17	7 1	4¼	1
3 11	·8482	2 2	·5178	0 21	·1875	18	7 6	4½	1
3 10	·839?	2 1	·5089	0 20	·1785	19	7 11	4¾	1
3 9	·830⅓	2 0	·5 ⅛	0 19	·1696	20	8 4	5	1¼
3 8	·8214	1 27	·4910	0 18	·1607	21	8 9	5¼	1½
3 7	·8125	1 26	·4821	0 17	·1517	22	9 2	5½	1¾
3 6	·8035	1 25	·4732	0 16	·1428	23	9 7	5¾	1¾
3 5	·7982	1 24	·4625	0 15	·1339	24	10 0	6	1
3 4	·7857	1 23	·4553	0 14	·125¼	25	10 5	6¼	1¼
3 3	·7767	1 22	·4464	0 13	·1160	26	10 10	6½	1½
3 2	·7679	1 21	·4375	0 12	·1071	27	11 3	6¾	1¾
3 1	·7589	1 20	·4285	0 11	·0982	28	11 8	7	1¾
3 0	·75 ⅜	1 19	·4196	0 10	·0892	29	12 1	7¼	1¾
2 27	·7410	1 18	·4107	0 9	·0803	30	12 6	7½	1¾
2 26	·7321	1 17	·4017	0 8	·0714	31	12 11	7¾	1¾
2 25	·7232	1 16	3928	0 7	0625	32	13 4	8	2
2 24	·7142	1 15	·3839	0 6	·0535	33	13 9	8¼	2
2 23	·7053	1 14	·375⅜	0 5	·0446	34	14 2	8½	2
2 22	·6964	1 13	·3660	0 4	·0357	35	14 7	8¾	2
2 21	·6875	1 12	·3571	0 3	·0267	36	15 0	9	2¼
2 20	·6785	1 11	·3481	0 2	·0178	37	15 5	9¼	2¼
2 19	·6696	1 10	·3392	0 1	·0089	38	15 10	9½	2¼

10*d.* per ton, ½*d.* per cwt. — Rate per qr. cwt., stone, & lb.						No.	10*d.* per ton.			½*d.* per cwt., bushel, day or yard.		qr. cwt., peck, ¼ day, ¼ yard, average ¼ of a halfpenny.
qr.lb.	d. f.	qr.lb.	d. f.	qr.lb.	d. f.		£	s.	d.	s.	d.	d.
						2	0	1	8	0	1	0¼
						3	0	2	6	0	1½	0½
						4	0	3	4	0	2	0¾
						5	0	4	2	0	2½	0¾
		2	14 ⅛ hfy			6	0	5	0	0	3	0¾
						7	0	5	10	0	3½	0¾
						8	0	6	8	0	4	1
						9	0	7	6	0	4½	1
						10	0	8	4	0	5	1¼
				1	0 ¼ hfy	11	0	9	2	0	5½	1¼
						12	0	10	0	0	6	1½
						13	0	10	10	0	6½	1½
						14	0	11	8	0	7	1¾
3	14 ⅞ hfy					15	0	12	6	0	7½	1¾
						16	0	13	4	0	8	2
						17	0	14	2	0	8½	2
						18	0	15	0	0	9	2¼
						19	0	15	10	0	9½	2¼
		2	0 ¼*d.*			20	0	16	8	0	10	2½
						21	0	17	6	0	10½	2½
						22	0	18	4	0	11	2¾
						23	0	19	2	0	11½	2¾
						24	1	0	0	1	0	3
				0	14 ⅛ hfy	25	1	0	10	1	0½	3
						26	1	1	8	1	1	3¼
						27	1	2	6	1	1½	3¼
						28	1	3	4	1	2	3½
3	0 ¾ hfy					29	1	4	2	1	2½	3½
						30	1	5	0	1	3	3¾
						31	1	5	10	1	3½	3¾
						32	1	6	8	1	4	4
						33	1	7	6	1	4½	4
		1	14 ⅜ hfy			34	1	8	4	1	5	4¼
						35	1	9	2	1	5½	4¼
						36	1	10	0	1	6	4½
						37	1	10	10	1	6½	4½
						38	1	11	8	1	7	4¾

Note—56 lb. to a farthing.

1s. 3d. per ton, ¾d. per cwt. — Rate per qr. cwt., stone, & lb.						No.	1s. 3d. per ton.			¾d. per cwt., bushel, day, or yard.		qr. cwt., peck, ¼ day, ¼ yd., aver. ¼ of ¾d.
qr. lb.	d. f.	qr. lb	d. f.	qr. lb.	d. f.		£	s.	d.	s.	d.	d.
						2	0	2	6	0	1½	0½
						3	0	3	9	0	2¼	0¾
						4	0	5	0	0	3	0¾
						5	0	6	3	0	3¾	0¾
		2	14	⅜ of ¾d.		6	0	7	6	0	4½	1
						7	0	8	9	0	5¼	1¼
						8	0	10	0	0	6	1½
						9	0	11	3	0	6¾	1¾
						10	0	12	6	0	7½	1¾
				1	0	11	0	13	9	0	8¼	2
					¼d. nrly.	12	0	15	0	0	9	2¼
						13	0	16	3	0	9¾	2¼
	½d.					14	0	17	6	0	10½	2½
3	14 & ⅞ of ½d.					15	0	18	9	0	11¼	2¾
						16	1	0	0	1	0	3
						17	1	1	3	1	0¾	3
						18	1	2	6	1	1½	3¼
						19	1	3	9	1	2¼	3½
		2	0	½d. nrly.		20	1	5	0	1	3	3¾
						21	1	6	3	1	3¾	3¾
						22	1	7	6	1	4½	4
						23	1	8	9	1	5¼	4¼
						24	1	10	0	1	6	4¼
				0	14	⅛ of ¾d.	1	11	3	1	6¾	4¼
						26	1	12	6	1	7½	4¾
						27	1	13	9	1	8¼	5
						28	1	15	0	1	9	5¼
3	0	¼d.				29	1	16	3	1	9¾	5¼
						30	1	17	6	1	10½	5½
						31	1	18	9	1	11¼	5¾
						32	2	0	0	2	0	6
						33	2	1	3	2	0¾	6
		1	14	⅜ of ¾d.		34	2	2	6	2	1½	6¼
						35	2	3	9	2	2¼	6¼
						36	2	5	0	2	3	6¾
						37	2	6	3	2	3¾	6¾
						38	2	7	6	2	4½	7

Note—37½ lb. to a farthing.

1s. 8d. per ton, 1d. per cwt. — Rate per qr. cwt., stone, & lb.						No.	1s. 8d. per ton.			1d. per cwt., bushel, day, or yard.		qr. cwt., peck, ¼ day, ¼ yard, average ¼d.
qr.lb.	d. f	qr.lb	d.f.	qr.lb.	d. f.		£	s.	d.	s.	d.	d.
						2	0	3	4	0	2	0¼
						3	0	5	0	0	3	0¾
						4	0	6	8	0	4	1
						5	0	8	4	0	5	1¼
		2	14	5/8	d.	6	0	10	0	0	6	1½
						7	0	11	8	0	7	1¾
						8	0	13	4	0	8	2
						9	0	15	0	0	9	2¼
						10	0	16	8	0	10	2½
				1	0	11	0	18	4	0	11	2¾
						12	1	0	0	1	0	3
						13	1	1	8	1	1	3¼
						14	1	3	4	1	2	3½
3	14	7/8	d.			15	1	5	0	1	3	3¾
						16	1	6	8	1	4	4
						17	1	8	4	1	5	4¼
						18	1	10	0	1	6	4½
						19	1	11	8	1	7	4¾
		2	0	½	d.	20	1	13	4	1	8	5
						21	1	15	0	1	9	5¼
						22	1	16	8	1	10	5½
						23	1	18	4	1	11	5¾
						24	2	0	0	2	0	6
				0	14	25	2	1	8	2	1	6¼
						26	2	3	4	2	2	6½
						27	2	5	0	2	3	6¾
						28	2	6	8	2	4	7
3	0	3/4	d.			29	2	8	4	2	5	7¼
						30	2	10	0	2	6	7½
						31	2	11	8	2	7	7¾
						32	2	13	4	2	8	8
						33	2	15	0	2	9	8¼
		1	14	3/32	d.	34	2	16	8	2	10	8½
						35	2	18	4	2	11	8¾
						36	3	0	0	3	0	9
						37	3	1	8	3	1	9¼
						38	3	3	4	3	2	9½

Note—28 lb. to a farthing.

2s. 1d. per ton, 1¼d. per cwt. — Rate per qr. cwt., stone, & lb.						No.	2s. 1d. per ton.			1½d. per cwt., bushel, day, or yard.		qr. cwt., peck. ¼ day, ¼ yard, average ¼d. and ¼ of ¼d.
qr.lb.	d.f.	qr.lb.	d. f.	qr.lb.	d f.		£	s.	d.	s.	d.	d.
						2	0	4	2	0	2¼	0¼
						3	0	6	3	0	3¾	0¾
						4	0	8	4	0	5	1¼
						5	0	10	5	0	6¼	1¾
		2 14	¾d.			6	0	12	6	0	7½	1¾
						7	0	14	7	0	8¾	2
						8	0	16	8	0	10	2¼
						9	0	18	9	0	11¼	2¾
					¼d.&	10	1	0	10	1	0¾	3
				1 0	¼of a	11	1	2	11	1	1¾	3¼
					far.	12	1	5	0	1	3	3¾
						13	1	7	1	1	4¼	4
	1d.&					14	1	9	2	1	5¼	4¼
3 14	⅞of a					15	1	11	3	1	6¾	4¾
	far.					16	1	13	4	1	8	5
						17	1	15	5	1	9¼	5¼
						18	1	17	6	1	10½	5¾
			½d.&			19	1	19	7	1	11¾	6
		2 0	½of a			20	2	1	8	2	1	6¼
			far.			21	2	3	9	2	2¼	6¼
						22	2	5	10	2	3½	6¾
						23	2	7	11	2	4¾	7
						24	2	10	0	2	6	7½
				0 14	½ of	25	2	12	1	2	7¼	7¾
					1½d.	26	2	14	2	2	8½	8
						27	2	16	3	2	9¾	8¼
						28	2	18	4	2	11	8¾
3 0	1d.					29	3	0	5	3	0¼	9
						30	3	2	6	3	1½	9¼
						31	3	4	7	3	2¾	9¾
						32	3	6	8	3	4	10
						33	3	8	9	3	5¼	10¼
		1 14	½d.			34	3	10	10	3	6½	10¾
						35	3	12	11	3	7¾	10¾
						36	3	15	0	3	9	11¼
						37	3	17	1	3	10¼	11¾
						38	3	19	2	3	11½	11¾

Note—22½ lb. to a farthing.

2s. 6d. per ton, 1½d. per cwt. — Rate per qr. cwt., stone, & lb.						No.	2s. 6d. per ton.			1½d. per cwt., bushel, day, or yard.		qr. cwt., peck, ¼ day, ¼ yard, average ¼d. & ¼ of a halfpenny.	
qr. lb.	d. f.	qr. lb.	d. f.	qr. lb.	d. f.		£	s.	d.	s.	d.	s.	d.
						2	0	5	0	0	3	0	0⅜
						3	0	7	6	0	4½	0	1
						4	0	10	0	0	6	0	1½
						5	0	12	6	0	7½	0	1⅞
		2	14	1d.		6	0	15	0	0	9	0	2¼
						7	0	17	6	0	10½	0	2⅝
						8	1	0	0	1	0	0	3
						9	1	2	6	1	1½	0	3⅜
					¼d. & ¼ of hpy.	10	1	5	0	1	3	0	3¾
				1	0	11	1	7	6	1	4½	0	4
						12	1	10	0	1	6	0	4⅜
						13	1	12	6	1	7½	0	4¾
	1¼d.					14	1	15	0	1	9	0	5¼
3	14 &⅞ of far.					15	1	17	6	1	10½	0	5⅝
						16	2	0	0	2	0	0	6
						17	2	2	6	2	1½	0	6⅜
						18	2	5	0	2	3	0	6¾
						19	2	7	6	2	4½	0	7
		2	0	¾d.		20	2	10	0	2	6	0	7½
						21	2	12	6	2	7½	0	7⅞
						22	2	15	0	2	9	0	8¼
						23	2	17	6	2	10½	0	8⅝
						24	3	0	0	3	0	0	9
				0	14 ¼d. nrly.	25	3	2	6	3	1½	0	9⅜
						26	3	5	0	3	3	0	9¾
						27	3	7	6	3	4½	0	10
						28	3	10	0	3	6	0	10¼
3	0	1⅝d.				29	3	12	6	3	7½	0	10⅝
						30	3	15	0	3	9	0	11¼
						31	3	17	6	3	10½	0	11⅝
						32	4	0	0	4	0	1	0
			⅛d.			33	4	2	6	4	1½	1	0⅜
		1	14	and		34	4	5	0	4	3	1	0¾
				⅜ of h		35	4	7	6	4	4½	1	1
						36	4	10	0	4	6	1	1⅜
						37	4	12	6	4	7½	1	1¾
						38	4	15	0	4	9	1	2¼

Note—18⅜ lb. to a farthing.

2s. 11d. per ton, 1¾d. per cwt. — Rate per qr. cwt., stone, & lb.						No.	2s. 11d. per ton.			1¾d. per cwt., bushel, day, or yard.		qr. cwt., peck, ¼ day, ¼ yard, average ¼d. nearly.	
qr. lb.	d. f.	qr. lb.	d. f.	qr. lb.	d. f.		£	s.	d.	s.	d.	s.	d.
						2	0	5	10	0	3 1/16	0	0 1/16
						3	0	8	9	0	5 1/16	0	1 1/16
						4	0	11	8	0	7	0	1 3/16
						5	0	14	7	0	8 3/16	0	2
		2	14	1 1/4 d. nrly.		6	0	17	6	0	10 1/16	0	2 1/16
						7	1	0	5	1	0 1/16	0	3
						8	1	3	4	1	2	0	3 1/16
						9	1	6	3	1	3 3/16	0	3 3/16
						10	1	9	2	1	5 1/16	0	4 1/16
				1	0	11	1	12	1	1	7 1/16	0	4 3/16
					½d. nrly	12	1	15	0	1	9	0	5 1/16
						13	1	17	11	1	10 3/16	0	5 3/16
	1½d. and 7/8 of ¼d.					14	2	0	10	2	0 1/16	0	6
3	14					15	2	3	9	2	2 1/16	0	6 1/16
						16	2	6	8	2	4	0	7
						17	2	9	7	2	5 3/16	0	7 1/16
						18	2	12	6	2	7 1/16	0	7 3/16
						19	2	15	5	2	9 1/16	0	8 1/16
		2	0	1d. nrly.		20	2	18	4	2	11	0	8 3/16
						21	3	1	3	3	0 3/16	0	9
						22	3	4	2	3	2 1/16	0	9 1/16
						23	3	7	1	3	4 1/16	0	10
						24	3	10	0	3	6	0	10 1/16
				0	14	25	3	12	11	3	7 3/16	0	10 3/16
					¼d, nrly.	26	3	15	10	3	9 1/16	0	11 1/16
						27	3	18	9	3	11 1/16	0	11 3/16
						28	4	1	8	4	1	1	0 1/16
3	0	1½d. nrly.				29	4	4	7	4	2 3/16	1	0 3/16
						30	4	7	6	4	4 1/16	1	1
						31	4	10	5	4	6 1/16	1	1 1/16
						32	4	13	4	4	8	1	2
						33	4	16	3	4	9 3/16	1	2 1/16
		1	14	¾d. nrly.		34	4	19	2	4	11 1/16	1	2 3/16
						35	5	2	1	5	1 1/16	1	3 1/16
						36	5	5	0	5	3	1	3 3/16
						37	5	7	11	5	4 3/16	1	4
						38	5	10	10	5	6 1/16	1	4 1/16

Note—16 lb. to a farthing.

3s. 4d. per ton, 2d. per cwt. — Rate per qr. cwt., stone, & lb.						No.	3s. 4d. per ton.			2d. per cwt., bushel, day, or yard.		qr. cwt., peck, ¼ day, ⅓ yard, average ½d.	
qr.lb.	d. f.	qr.lb.	d. f.	qr.lb.	d. f.		£	s.	d.	s.	d.	s.	d.
						2	0	6	8	0	4	0	1
						3	0	10	0	0	6	0	1½
						4	0	13	4	0	8	0	2
						5	0	16	8	0	10	0	2½
		2	14	1¼d.		6	1	0	0	1	0	0	3
						7	1	3	4	1	2	0	3½
						8	1	6	8	1	4	0	4
						9	1	10	0	1	6	0	4½
						10	1	13	4	1	8	0	5
				1	0 ½d.	11	1	16	8	1	10	0	5½
						12	2	0	0	2	0	0	6
						13	2	3	4	2	2	0	6½
						14	2	6	8	2	4	0	7
3	14	1¾d.				15	2	10	0	2	6	0	7½
						16	2	13	4	2	8	0	8
						17	2	16	8	2	10	0	8½
						18	3	0	0	3	0	0	9
						19	3	3	4	3	2	0	9½
		2	0	1d.		20	3	6	8	3	4	0	10
						21	3	10	0	3	6	0	10½
						22	3	13	4	3	8	0	11
						23	3	16	8	3	10	0	11½
						24	4	0	0	4	0	1	0
				0	14 ¼d.	25	4	3	4	4	2	1	0½
						26	4	6	8	4	4	1	1
						27	4	10	0	4	6	1	1½
						28	4	13	4	4	8	1	2
3	0	1½d.				29	4	16	8	4	10	1	2½
						30	5	0	0	5	0	1	3
						31	5	3	4	5	2	1	3½
						32	5	6	8	5	4	1	4
						33	5	10	0	5	6	1	4½
		1	14	¾d.		34	5	13	4	5	8	1	5
						35	5	16	8	5	10	1	5½
						36	6	0	0	6	0	1	6
						37	6	3	4	6	2	1	6½
						38	6	6	8	6	4	1	7

Note—14 lb. to a farthing.

3s. 9d. per ton, 2¼d. per cwt. — Rate per qr. cwt., stone, & lb.						No.	3s. 9d. per ton.			2¼d. per cwt., bushel, day, or yard.		qr. cwt., peck. ¼ day, ½ yard, average ¼d. and ¼ of a farthing.	
qr. lb.	d. f.	qr. lb.	d. f.	qr. lb.	d. f.		£	s.	d.	s.	d.	s.	d.
						2	0	7	6	0	4 1/3	0	1
						3	0	11	3	0	6 1/3	0	1 1/3
						4	0	15	0	0	9	0	2
			1½d & 5/8 of f.			5	0	18	9	0	11 1/3	0	3
		2	14			6	1	2	6	1	1 1/3	0	3 1/3
						7	1	6	3	1	3 1/3	0	4
						8	1	10	0	1	6	0	4 1/3
						9	1	13	9	1	8 1/3	0	5
						10	1	17	6	1	10 1/3	0	5 1/3
				1	0	11	2	1	3	2	0 1/3	0	6
					1/8 d. & 1/8 f.	12	2	5	0	2	3	0	6 1/3
						13	2	8	9	2	5 1/3	0	7
	1¾d. & 7/8 of f.					14	2	12	6	2	7 1/3	0	8
3	14					15	2	16	3	2	9 1/3	0	8 1/3
						16	3	0	0	3	0	0	9
						17	3	3	9	3	2 1/3	0	9 1/3
						18	3	7	6	3	4 1/3	0	10
						19	3	11	3	3	6 1/3	0	10 1/3
		2	0	1d. & 1/8 f.		20	3	15	0	3	9	0	11 1/3
						21	3	18	9	3	11 1/3	1	0
						22	4	2	6	4	1 1/3	1	0 1/3
						23	4	6	3	4	3 1/3	1	1
						24	4	10	0	4	6	1	1 1/3
				0	14	25	4	13	9	4	8 1/3	1	2
					1/8 d. & 1/8 f.	26	4	17	6	4	10 1/3	1	2 1/3
						27	5	1	3	5	0 1/3	1	3
						28	5	5	0	5	3	1	3 1/3
	1¼d. & 3/4 of f.					29	5	8	9	5	5 1/3	1	4
3	0					30	5	12	6	5	7 1/3	1	5
						31	5	16	3	5	9 1/3	1	5 1/3
						32	6	0	0	6	0	1	6
						33	6	3	9	6	2 1/3	1	6 1/3
			3/4 d. & 3/8 f.			34	6	7	6	6	4 1/3	1	7
		1	14			35	6	11	3	6	6 1/3	1	7 1/3
						36	6	15	0	6	9	1	8
						37	6	18	9	6	11 1/3	1	9
						38	7	2	6	7	1 1/3	1	9 1/3

Note—12⅓ lb. to a farthing.

4s. 2d. per ton, 2½d. per cwt. — Rate per qr. cwt., stone, & lb.						No.	4s. 2d. per ton.			2½d. per cwt., bushel, day, or yard.		qr. cwt., p eck, ¼ day, ¼ yard, average ½d. and ¼ of ½d.	
qr.lb.	d. f.	qr.lb.	d. f.	qr.lb.	d. f.		£	s.	d.	s.	d.	s.	d.
						2	0	8	4	0	5	0	1 1/2
						3	0	12	6	0	7 1/2	0	1 1/2
						4	0	16	8	0	10	0	2
			1 1/4 d.			5	1	0	10	1	0 1/2	0	3
		2	14 & 3/5 of hpy.			6	1	5	0	1	3	0	3 1/2
						7	1	9	2	1	5 1/2	0	4
						8	1	13	4	1	8	0	5
						9	1	17	6	1	10 1/2	0	5 1/2
					½d.	10	2	1	8	2	1	0	6 1/2
				1	0 & ¼ of hpy.	11	2	5	10	2	3 1/2	0	7
						12	2	10	0	2	6	0	7 1/2
						13	2	14	2	2	8 1/2	0	8
	1 3/4 d.					14	2	18	4	2	11	0	8 1/2
3	14 & 7/8 of hpy.					15	3	2	6	3	1 1/2	0	9
						16	3	6	8	3	4	0	10
						17	3	10	10	3	6 1/2	0	10 1/2
						18	3	15	0	3	9	0	11
						19	3	19	2	3	11 1/2	1	0
		2	0	1 1/4 d.		20	4	3	4	4	2	1	0 1/2
						21	4	7	6	4	4 1/2	1	1
						22	4	11	8	4	7	1	1 1/2
						23	4	15	10	4	9 1/2	1	2
					¼d.	24	5	0	0	5	0	1	3
				14	0 & 1/8 of hpy.	25	5	4	2	5	2 1/2	1	3 1/2
						26	5	8	4	5	5	1	4
						27	5	12	6	5	7 1/2	1	5
	1 1/2 d.					28	5	16	8	5	10	1	5 1/2
3	0 & 3/4 of hpy.					29	6	0	10	6	0 1/2	1	6
						30	6	5	0	6	3	1	6 1/2
						31	6	9	2	6	5 1/2	1	7
						32	6	13	4	6	8	1	8
			3/4 d. &			33	6	17	6	6	10 1/2	1	8 1/2
		1	14 2/5 of hpy.			34	7	1	8	7	1	1	9
						35	7	5	10	7	3 1/2	1	10
						36	7	10	0	7	6	1	10 1/2
						37	7	14	2	7	8 1/2	1	11 1/2
						38	7	18	4	7	11	2	0

Note—11¼ lb. to a farthing.

4s. 7d. per ton, 2¾d. per cwt. — Rate per qr. cwt., stone, & lb.						No.	4s. 7d. per ton.			2¾d. per cwt., bushel, day, or yard.		qr. cwt., peck, ¼ day, ¼ yard, average ¾d. & ¼ of ¾d.	
qr.lb.	d. f.	qr.lb.	d. f.	qr.lb.	d. f.		£	s.	d.	s.	d.	s.	d.
						2	0	9	2	0	5¼	0	1¼
						3	0	13	9	0	8¼	0	2
						4	0	18	4	0	11	0	2¾
						5	1	2	11	1	1¾	0	3¾
		2	14	1¾d.		6	1	7	6	1	4½	0	4½
						7	1	12	1	1	7¼	0	5
						8	1	16	8	1	10	0	5¼
						9	2	1	3	2	0¾	0	6¼
						10	2	5	10	2	3½	0	7
				1	0	11	2	10	5	2	6¼	0	7¾
					¾d. nrly.	12	2	15	0	2	9	0	8¼
						13	2	19	7	2	11¾	0	9
						14	3	4	2	3	2¾	0	9¾
3	14	2¼d.				15	3	8	9	3	5¼	0	10¾
						16	3	13	4	3	8	0	11
						17	3	17	11	3	10¾	0	11¾
						18	4	2	6	4	1½	1	0½
						19	4	7	1	4	4¼	1	1½
		2	0	1½d. nrly.		20	4	11	8	4	7	1	1¾
						21	4	16	3	4	9¾	1	2¾
						22	5	0	10	5	0½	1	3¼
						23	5	5	5	5	3¼	1	4
						24	5	10	0	5	6	1	4¼
				0	14	25	5	14	7	5	8¾	1	5¼
					¼d. & ⅛ of ¾d.	26	5	19	2	5	11¼	1	6
						27	6	3	9	6	2¼	1	6¾
						28	6	8	4	6	5	1	7¼
3	0	2d.				29	6	12	11	6	7¾	1	8
						30	6	17	6	6	10½	1	8¾
						31	7	2	1	7	1¼	1	9¾
						32	7	6	8	7	4	1	10
						33	7	11	3	7	6¾	1	10¾
		1	14	1d.		34	7	15	10	7	9½	1	11¼
						35	8	0	5	8	0¼	2	0¼
						36	8	5	0	8	3	2	0¾
						37	8	9	7	8	5¾	2	1¼
						38	8	14	2	8	8¼	2	2¼

Note—10¼ lb. to a farthing.

5s. per ton, *3d.* per cwt. Rate per qr. cwt., stone, & lb.						No.	*5s.* per ton.			*3d.* per cwt., bushel, day, or yard.		qr. cwt., peck, $\frac{1}{4}$ day, $\frac{1}{4}$ yard, average, $\frac{3}{4}d.$	
qr. lb.	d. f.	qr lb.	d. f	qr. lb.	d. f.		£	s.	d.	s.	d.	s.	d.
						2	0	10	0	0	6	0	$1\frac{1}{2}$
						3	0	15	0	0	9	0	$2\frac{1}{4}$
						4	1	0	0	1	0	0	3
						5	1	5	0	1	3	0	$3\frac{3}{4}$
		2	14	$1\frac{3}{4}d.$		6	1	10	0	1	6	0	$4\frac{1}{2}$
						7	1	15	0	1	9	0	$5\frac{1}{4}$
						8	2	0	0	2	0	0	6
						9	2	5	0	2	3	0	$6\frac{3}{4}$
						10	2	10	0	2	6	0	$7\frac{1}{2}$
				1	0 $\frac{3}{4}d.$	11	2	15	0	2	9	0	$8\frac{1}{4}$
						12	3	0	0	3	0	0	9
						13	3	5	0	3	3	0	$9\frac{3}{4}$
						14	3	10	0	3	6	0	$10\frac{1}{2}$
3	14 $2\frac{1}{2}d.$ nrly.					15	3	15	0	3	9	0	$11\frac{1}{4}$
						16	4	0	0	4	0	1	0
						17	4	5	0	4	3	1	$0\frac{3}{4}$
						18	4	10	0	4	6	1	$1\frac{1}{2}$
						19	4	15	0	4	9	1	$2\frac{1}{4}$
		2	0	$1\frac{1}{8}d.$		20	5	0	0	5	0	1	3
						21	5	5	0	5	3	1	$3\frac{3}{4}$
						22	5	10	0	5	6	1	$4\frac{1}{2}$
						23	5	15	0	5	9	1	$5\frac{1}{4}$
					$\frac{1}{4}d.$ &	24	6	0	0	6	0	1	6
				0	14 $\frac{1}{8}$ of	25	6	5	0	6	3	1	$6\frac{3}{4}$
					pny.	26	6	10	0	6	6	1	$7\frac{1}{2}$
						27	6	15	0	6	9	1	$8\frac{1}{4}$
						28	7	0	0	7	0	1	9
3	0 $2\frac{1}{4}d.$					29	7	5	0	7	3	1	$9\frac{3}{4}$
						30	7	10	0	7	6	1	$10\frac{1}{2}$
						31	7	15	0	7	9	1	$11\frac{1}{4}$
						32	8	0	0	8	0	2	0
						33	8	5	0	8	3	2	$0\frac{3}{4}$
		1	14	$1\frac{1}{4}d.$ nrly.		34	8	10	0	8	6	2	$1\frac{1}{2}$
						35	8	15	0	8	9	2	$2\frac{1}{4}$
						36	9	0	0	9	0	2	3
						37	9	5	0	9	3	2	$3\frac{3}{4}$
						38	9	10	0	9	6	2	$4\frac{1}{2}$

Note—$9\frac{1}{4}$ lb. to a farthing.

5s. 5d. per ton, 3¼d. per cwt. — Rate per qr. cwt., stone, and lb.						No.	5s. 5d. per ton.			3¼d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average ¾d. and ¼ farthing.	
qr.lb.	d. f.	qr.lb.	d. f.	qr.lb.	d. f.		£	s.	d.	s.	d.		s.	d.
						2	0	10	10	0	6 1/3		0	1 1/4
						3	0	16	3	0	9 1/4		0	2 1/4
						4	1	1	8	1	1		0	3 1/4
						5	1	7	1	1	4 1/3		0	4
		2	14	2d.		6	1	12	6	1	7 1/4		0	4 3/4
						7	1	17	11	1	10 1/4		0	5 1/4
						8	2	3	4	2	2		0	6 1/4
						9	2	8	9	2	5 1/3		0	7 1/4
					1 0 ¾d.& ¼ of a far.	10	2	14	2	2	8 1/3		0	8
						11	2	19	7	2	11 1/4		0	9
						12	3	5	0	3	3		0	9 3/4
						13	3	10	5	3	6 1/4		0	10 1/3
						14	3	15	10	3	9 1/3		0	11 1/3
3	14	2¾d.				15	4	1	3	4	0 1/4		1	0 1/4
						16	4	6	8	4	4		1	1
						17	4	12	1	4	7 1/4		1	1 3/4
						18	4	17	6	4	10 1/3		1	2 1/4
						19	5	2	11	5	1 1/4		1	3 1/3
		2	0	1¾d. nrly.		20	5	8	4	5	5		1	4 1/4
						21	5	13	9	5	8 1/4		1	5 1/4
						22	5	19	2	5	11 1/3		1	6
						23	6	4	7	6	2 1/4		1	6 3/4
					0 14 ¼d.& ⅓ of a 1¼d.	24	6	10	0	6	6		1	7 1/3
						25	6	15	5	6	9 1/4		1	8 1/4
						26	7	0	10	7	0 1/3		1	9
						27	7	6	3	7	3 1/4		1	10
						28	7	11	8	7	7		1	10 3/4
3	0	2¼d.				29	7	17	1	7	10 1/4		1	11 1/3
						30	8	2	6	8	1 1/3		2	0 1/4
						31	8	7	11	8	4 1/4		2	1
						32	8	13	4	8	8		2	2
						33	8	18	9	8	11 1/4		2	0 3/4
		1	14	1¼d.		34	9	4	2	9	2 1/3		2	3 1/3
						35	9	9	7	9	5 1/4		2	4 1/3
						36	9	15	0	9	9		2	5 1/4
						37	10	0	5	10	0 1/4		2	6
						38	10	5	10	10	3 1/3		2	6 3/4

Note—8¾ lb. to a farthing.

5s. 10d. per ton, 3½d. per cwt. — Rate per qr. cwt., stone, and lb.						No.	5s. 10d. per ton.		3½d. per cwt., bushel, day, or yard.		qr. cwt., peck, ¼ day, ¼ yard, average ¾d. and ¼ halfpenny.	
qr. lb.	d. f.	qr. lb.	d. f.	qr. lb.	d. f.		£	s. d.	s.	d.	s.	d.
						2	0	11 8	0	7	0	1 3/4
						3	0	17 6	0	10 1/2	0	2 1/4
						4	1	3 4	1	2	0	3 1/2
						5	1	9 2	1	5 1/2	0	4 1/4
		2	14	2	0	6	1	15 0	1	9	0	5 1/4
						7	2	0 10	2	0 1/2	0	6
						8	2	6 8	2	4	0	7
						9	2	12 6	2	7 1/2	0	8
					3/4 d. &	10	2	18 4	2	11	0	8 3/4
				1	0 1/4 of a	11	3	4 2	3	2 1/2	0	9 1/4
					hpy.	12	3	10 0	3	6	0	10 1/2
						13	3	15 10	3	9 1/2	0	11 1/4
						14	4	1 8	4	1	1	0 1/4
3	14	3d.				15	4	7 6	4	4 1/2	1	1
						16	4	13 4	4	8	1	2
						17	4	19 2	4	11 1/2	1	2 3/4
						18	5	5 0	5	3	1	3 1/2
						19	5	10 10	5	6 1/2	1	4 1/4
		2	0	1 3/4	d.	20	5	16 8	5	10	1	5 1/2
						21	6	2 6	6	1 1/2	1	6 1/4
						22	6	8 4	6	5	1	7 1/4
						23	6	14 2	6	8 1/2	1	8
					1/4 d. &	24	7	0 0	7	0	1	9
				0	14 1/2 of a	25	7	5 10	7	3 1/2	1	9 3/4
					1 1/2 d.	26	7	11 8	7	7	1	10 1/2
						27	7	17 6	7	10 1/2	1	11 1/4
						28	8	3 4	8	2	2	0 1/4
3	0	2 1/2	d.			29	8	9 2	8	5 1/2	2	1 1/4
						30	8	15 0	8	9	2	2 1/4
						31	9	0 10	9	0 1/2	2	3
						32	9	6 8	9	4	2	4
						33	9	12 6	9	7 1/2	2	4 3/4
		1	14	1 1/4	d.	34	9	18 4	9	11	2	5 1/2
						35	10	4 2	10	2 1/2	2	6 1/4
						36	10	10 0	10	6	2	7 1/4
						37	10	15 10	10	9 1/2	2	8 1/4
						38	11	1 8	11	1	2	9 1/4

Note—8 lb. to a farthing.

6s. 3d. per ton, $3\frac{3}{4}$d. per cwt. — Rate per qr. cwt., stone, & lb.						No.	6s. 3d. per ton.			$3\frac{3}{4}$d. per cwt., bushel, day, or yard.		qr. cwt., peck, $\frac{1}{4}$ day, $\frac{1}{4}$ yard, average $\frac{3}{4}$d. & $\frac{1}{4}$ of 3 farthings.	
qr.lb.	d. f.	qr.lb.	d. f.	qr.lb.	d. f.		£	s.	d.	s.	d.	s.	d.
						2	0	12	6	0	$7\frac{1}{2}$	0	$1\frac{1}{2}$
						3	0	18	9	0	$11\frac{1}{4}$	0	2
						4	1	5	0	1	3	0	3
						5	1	11	3	1	$6\frac{3}{4}$	0	$4\frac{1}{2}$
		2	14	$2\frac{1}{4}$d.		6	1	17	6	1	$10\frac{1}{2}$	0	$5\frac{1}{2}$
						7	2	3	9	2	$2\frac{1}{4}$	0	$6\frac{1}{2}$
						8	2	10	0	2	6	0	$7\frac{1}{2}$
						9	2	16	3	2	$9\frac{3}{4}$	0	$8\frac{1}{2}$
						10	3	2	6	3	$1\frac{1}{2}$	0	$9\frac{1}{2}$
				1	0	11	3	8	9	3	$5\frac{1}{4}$	0	$10\frac{1}{2}$
					1d. nrly.	12	3	15	0	3	9	0	$11\frac{1}{2}$
						13	4	1	3	4	$0\frac{3}{4}$	1	0
						14	4	7	6	4	$4\frac{1}{2}$	1	1
3	14	$3\frac{1}{4}$d.				15	4	13	9	4	$8\frac{1}{4}$	1	2
						16	5	0	0	5	0	1	3
						17	5	6	3	5	$3\frac{3}{4}$	1	$3\frac{3}{4}$
						18	5	12	6	5	$7\frac{1}{2}$	1	$4\frac{1}{2}$
			$1\frac{3}{4}$d.			19	5	18	9	5	$11\frac{1}{4}$	1	$5\frac{1}{2}$
		2	0 & $\frac{1}{2}$ of far.			20	6	5	0	6	3	1	$6\frac{3}{4}$
						21	6	11	3	6	$6\frac{3}{4}$	1	$7\frac{1}{2}$
						22	6	17	6	6	$10\frac{1}{2}$	1	$8\frac{1}{2}$
						23	7	3	9	7	$2\frac{1}{4}$	1	$9\frac{1}{2}$
						24	7	10	0	7	6	1	$10\frac{1}{2}$
				0	14 $\frac{1}{2}$d. nrly.	25	7	16	3	7	$9\frac{3}{4}$	1	$11\frac{1}{2}$
						26	8	2	6	8	$1\frac{1}{2}$	2	$0\frac{1}{2}$
						27	8	8	9	8	$5\frac{1}{4}$	2	$1\frac{1}{2}$
						28	8	15	0	8	9	2	$2\frac{1}{2}$
3	0	$2\frac{3}{4}$d.				29	9	1	3	9	$0\frac{3}{4}$	2	3
						30	9	7	6	9	$4\frac{1}{2}$	2	4
						31	9	13	9	9	$8\frac{1}{4}$	2	5
						32	10	0	0	10	0	2	6
						33	10	6	3	10	$3\frac{3}{4}$	2	$6\frac{3}{4}$
		1	14	$1\frac{1}{2}$d. nrly.		34	10	12	6	10	$7\frac{1}{2}$	2	$7\frac{1}{2}$
						35	10	18	9	10	$11\frac{1}{4}$	2	$8\frac{1}{2}$
						36	11	5	0	11	3	2	$9\frac{1}{2}$
						37	11	11	3	11	$6\frac{3}{4}$	2	$10\frac{1}{2}$
						38	11	17	6	11	$10\frac{1}{2}$	2	$11\frac{1}{2}$

Note—$7\frac{1}{2}$ lb. to a farthing.

6s. 8d. per ton, 4d. per cwt. Rate per qr. cwt., stone, & lb.						No.	6s. 8d. per ton.			4d. per cwt., bushel, day, or yard.		qr. cwt., peck, ¼ day, ¼ yard, average 1d.	
qr. lb.	d. f.	qr. lb.	d. f.	qr. lb.	d. f.		£	s.	d.	s.	d.	s.	d.
						2	0	13	4	0	8	0	2
						3	1	0	0	1	0	0	3
						4	1	6	8	1	4	0	4
						5	1	13	4	1	8	0	5
		2	14	2½d.		6	2	0	0	2	0	0	6
						7	2	6	8	2	4	0	7
						8	2	13	4	2	8	0	8
						9	3	0	0	3	0	0	9
						10	3	6	8	3	4	0	10
				1	0 1d.	11	3	13	4	3	8	0	11
						12	4	0	0	4	0	1	0
						13	4	6	8	4	4	1	1
						14	4	13	4	4	8	1	2
3	14 3½d.					15	5	0	0	5	0	1	3
						16	5	6	8	5	4	1	4
						17	5	13	4	5	8	1	5
						18	6	0	0	6	0	1	6
						19	6	6	8	6	4	1	7
		2	0	2d.		20	6	13	4	6	8	1	8
						21	7	0	0	7	0	1	9
						22	7	6	8	7	4	1	10
						23	7	13	4	7	8	1	11
						24	8	0	0	8	0	2	0
				0	14 ½d.	25	8	6	8	8	4	2	1
						26	8	13	4	8	8	2	2
						27	9	0	0	9	0	2	3
						28	9	6	8	9	4	2	4
3	0 3d.					29	9	13	4	9	8	2	5
						30	10	0	0	10	0	2	6
						31	10	6	8	10	4	2	7
						32	10	13	4	10	8	2	8
						33	11	0	0	11	0	2	9
		1	14	1½d.		34	11	6	8	11	4	2	10
						35	11	13	4	11	8	2	11
						36	12	0	0	12	0	3	0
						37	12	6	8	12	4	3	1
						38	12	13	4	12	8	3	2

Note—7 lb. to a farthing.

7s. 1d. per ton, $4\frac{1}{4}$d. per cwt. Rate per qr. cwt., stone, & lb.						No.	7s. 1d. per ton.			$4\frac{1}{4}$d. per cwt., bushel, day, or yard.		qr. cwt., peck, $\frac{1}{4}$ day, $\frac{1}{4}$ yard, average 1d. & $\frac{1}{4}$ of a farthing.	
qr.lb.	d. f.	qr.lb.	d. f.	qr.lb.	d. f.		£	s.	d.	s.	d.	s.	d.
						2	0	14	2	0	$8\frac{1}{2}$	0	2
						3	1	1	3	1	$0\frac{3}{4}$	0	3
						4	1	8	4	1	5	0	$4\frac{1}{4}$
						5	1	15	5	1	$9\frac{1}{2}$	0	$5\frac{1}{2}$
		2	14	$2\frac{3}{4}$d.		6	2	2	6	2	$1\frac{3}{4}$	0	$6\frac{1}{2}$
						7	2	9	7	2	$5\frac{1}{4}$	0	$7\frac{1}{2}$
						8	2	16	8	2	10	0	$8\frac{1}{2}$
						9	3	3	9	3	$2\frac{1}{2}$	0	$9\frac{1}{2}$
						10	3	10	10	3	$6\frac{3}{4}$	0	$10\frac{1}{2}$
				1	0 1d.	11	3	17	11	3	$10\frac{3}{4}$	0	$11\frac{1}{2}$
						12	4	5	0	4	3	1	0
						13	4	12	1	4	$7\frac{1}{4}$	1	1
						14	4	19	2	4	$11\frac{1}{2}$	1	$2\frac{1}{2}$
3	14 $3\frac{3}{4}$d.					15	5	6	3	5	$3\frac{3}{4}$	1	$3\frac{1}{2}$
						16	5	13	4	5	8	1	5
						17	6	0	5	6	$0\frac{1}{4}$	1	6
						18	6	7	6	6	$4\frac{1}{2}$	1	7
		2	0	$2\frac{1}{4}$d. nrly.		19	6	14	7	6	$8\frac{1}{4}$	1	8
						20	7	1	8	7	1	1	$9\frac{1}{2}$
						21	7	8	9	7	$5\frac{1}{4}$	1	$10\frac{1}{2}$
						22	7	15	10	7	$9\frac{3}{4}$	1	$11\frac{1}{2}$
						23	8	2	11	8	$1\frac{1}{4}$	2	$0\frac{1}{2}$
						24	8	10	0	8	6	2	$1\frac{1}{2}$
				0	14 $\frac{1}{4}$d.	25	8	17	1	8	$10\frac{1}{2}$	2	$2\frac{1}{2}$
						26	9	4	2	9	$2\frac{1}{2}$	2	$3\frac{1}{2}$
						27	9	11	3	9	$6\frac{1}{4}$	2	$4\frac{1}{2}$
						28	9	18	4	9	11	2	$5\frac{1}{2}$
3	0 $3\frac{1}{4}$d.					29	10	5	5	10	$3\frac{1}{4}$	2	$6\frac{1}{2}$
						30	10	12	6	10	$7\frac{1}{4}$	2	$7\frac{1}{2}$
						31	10	19	7	10	$11\frac{3}{4}$	2	$8\frac{1}{2}$
						32	11	6	8	11	4	2	10
						33	11	13	9	11	$8\frac{1}{4}$	2	11
		1	14	$1\frac{3}{4}$d.		34	12	0	10	12	$0\frac{1}{2}$	3	0
						35	12	7	11	12	$4\frac{3}{4}$	3	1
						36	12	15	0	12	9	3	$2\frac{1}{2}$
						37	13	2	1	13	$1\frac{1}{4}$	3	$3\frac{1}{2}$
						38	13	9	2	13	$5\frac{1}{2}$	3	$4\frac{1}{2}$

c Note—$6\frac{2}{3}$ lb. to a farthing.

7s. 6d. per ton, 4½d. per cwt. — Rate per qr. cwt., stone, & lb.						No.	7s. 6d. per ton.			4½d. per cwt., bushel, day, or yard.		qr. cwt., peck, ½ day. ¼ yard, average 1d. & ¼ of a halfpenny.	
qr	lb.	d.	f.	qr.	lb.	d. f.		£	s.	d.	s.	d.	s.	d.
							2	0	15	0	0	9	0	2¼
							3	1	2	6	1	1½	0	3¼
							4	1	10	0	1	6	0	4½
							5	1	17	6	1	10½	0	5¾
				2	14	3d.	6	2	5	0	2	3	0	6¼
							7	2	12	6	2	7½	0	7¾
							8	3	0	0	3	0	0	9
							9	3	7	6	3	4½	0	10
							10	3	15	0	3	9	0	11¼
					1	0 1d.	11	4	2	6	4	1½	1	0¾
							12	4	10	0	4	6	1	1¼
							13	4	17	6	4	10½	1	2¼
							14	5	5	0	5	3	1	3⅝
3	14	4d.					15	5	12	6	5	7½	1	5
							16	6	0	0	6	0	1	6
							17	6	7	6	6	4½	1	7
							18	6	15	0	6	9	1	8
							19	7	2	6	7	1½	1	9¼
				2	0	2¼d.	20	7	10	0	7	6	1	10¼
							21	7	17	6	7	10½	1	11½
							22	8	5	0	8	3	2	0¾
							23	8	12	6	8	7½	2	2
							24	9	0	0	9	0	2	3
					0	14 ¼d.	25	9	7	6	9	4½	2	4¼
							26	9	15	0	9	9	2	5¼
							27	10	2	6	10	1½	2	6¼
							28	10	10	0	10	6	2	7¼
3	0	3¼d.					29	10	17	6	10	10½	2	8¼
							30	11	5	0	11	3	2	9¾
							31	11	12	6	11	7½	2	11
							32	12	0	0	12	0	3	0
							33	12	7	6	12	4½	3	1
				1	14	2d.	34	12	15	0	12	9	3	2¼
							35	13	2	6	13	1½	3	3¼
							36	13	10	0	13	6	3	4¼
							37	13	17	6	13	10½	3	5¼
							38	14	5	0	14	3	3	6¾

Note—6¼ lb. to a farthing.

7s. 11d. per ton, 4¾d. per cwt. Rate per qr. cwt., stone, & lb.						No.	7s. 11d. per ton.			4¾d. per cwt., bushel, day, or yard.		qr. cwt., peck, ¼ day, ¼ yard, average 1d. & ¼ of 3 farthings.	
qr.lb.	d. f.	qr.lb.	d. f.	qr.lb.	d. f.		£	s.	d.	s.	d.	s.	d,
						2	0	15	10	0	9½	0	2½
						3	1	3	9	1	2¼	0	3½
						4	1	11	8	1	7	0	4¾
						5	1	19	7	1	11¾	0	6
		2	14	3¼d.		6	2	7	6	2	4½	0	7¼
						7	2	15	5	2	9¼	0	8¼
						8	3	3	4	3	2	0	9¾
						9	3	11	3	3	6¾	0	10¾
				1	0 1¼d. nrly.	10	3	19	2	3	11½	1	0
						11	4	7	1	4	4¼	1	1
						12	4	15	0	4	9	1	2¼
						13	5	2	11	5	1¾	1	3¼
						14	5	10	10	5	6½	1	4½
3	14 4¼d.					15	5	18	9	5	11¼	1	5¾
						16	6	6	8	6	4	1	7
						17	6	14	7	6	8¾	1	8¼
						18	7	2	6	7	1¾	1	9¼
						19	7	10	5	7	6¼	1	10¼
		2	0	2¼d. nrly.		20	7	18	4	7	11	1	11¾
						21	8	6	3	8	3¾	2	1
						22	8	14	2	8	8¼	2	2¼
						23	9	2	1	9	1¼	2	3¼
						24	9	10	0	9	6	2	4¼
				0	14 ¼d. & ¼ of ¾d.	25	9	17	11	9	10¾	2	5¼
						26	10	5	10	10	3¼	2	6¾
						27	10	13	9	10	8¼	2	8
						28	11	1	8	11	1	2	9¼
3	0 3¾d.					29	11	9	7	11	5¾	2	10¼
						30	11	17	6	11	10¼	2	11¼
						31	12	5	5	12	3¼	3	0¾
						32	12	13	4	12	8	3	2
						33	13	1	3	13	0¾	3	3
		1	14	1¾d.		34	13	9	2	13	5¼	3	4¼
						35	13	17	1	13	10¼	3	5¼
						36	14	5	0	14	3	3	6¾
						37	14	12	11	14	7¾	3	8
						38	15	0	10	15	0¼	3	9¼

Note—6 lb. to a farthing, nearly.

8s. 4d. per ton, 5d. per cwt. — Rate per qr. cwt., stone, & lb.						No.	8s. 4d. per ton.			5d. per cwt., bushel, day, or yard.		qr. cwt., peck, ¼ day. ¼ yard, average 1¼d.	
qr.lb.	d. f.	qr.lb.	d. f.	qr.lb.	d. f.		£	s.	d.	s.	d.	s.	d.
						2	0	16	8	0	10	0	2½
						3	1	5	0	1	3	0	3¾
						4	1	13	4	1	8	0	5
						5	2	1	8	2	1	0	6¼
		2 14	3¼d.			6	2	10	0	2	6	0	7½
						7	2	18	4	2	11	0	8¾
						8	3	6	8	3	4	0	10
						9	3	15	0	3	9	0	11¼
						10	4	3	4	4	2	1	0½
				1 0	1½d.	11	4	11	8	4	7	1	1¾
						12	5	0	0	5	0	1	3
						13	5	8	4	5	5	1	4¼
						14	5	16	8	5	10	1	5½
3 14	4½d.					15	6	5	0	6	3	1	6¾
						16	6	13	4	6	8	1	8
						17	7	1	8	7	1	1	9¼
						18	7	10	0	7	6	1	10½
						19	7	18	4	7	11	1	11¾
		2 0	2½d.			20	8	6	8	8	4	2	1
						21	8	15	0	8	9	2	2¼
						22	9	3	4	9	2	2	3½
						23	9	11	8	9	7	2	4¾
					¼d.&	24	10	0	0	10	0	2	6
				0 14	¼ of a	25	10	8	4	10	5	2	7¼
					pny.	26	10	16	8	10	10	2	8½
						27	11	5	0	11	3	2	9¾
						28	11	13	4	11	8	2	11
3 0	3¾d.					29	12	1	8	12	1	3	0¼
						30	12	10	0	12	6	3	1¾
						31	12	18	4	12	11	3	2¾
						32	13	6	8	13	4	3	4
						33	13	15	0	13	9	3	5¼
		1 14	2d.			34	14	3	4	14	2	3	6½
						35	14	11	8	14	7	3	7¾
						36	15	0	0	15	0	3	9
						37	15	8	4	15	5	3	10¼
						38	15	16	8	15	10	3	11¼

Note—5½ lb. to a farthing.

8s. 9d. per ton, 5¼d. per cwt. Rate per qr. cwt., stone, & lb.						No.	8s. 9d. per ton.			5¼d. per cwt., bushel, day, or yard.		qr. cwt., peck, ¼ day, ¼ yard, average 1¼d. & ¼ of a farthing.	
qr. lb.	d. f.	qr. lb.	d. f.	qr. lb.	d. f.		£	s.	d.	s.	d.	s.	d.
						2	0	17	6	0	10½	0	2½
						3	1	6	3	1	3¾	0	3¾
						4	1	15	0	1	9	0	5¼
						5	2	3	9	2	2¼	0	6¼
		2	14	3¼d.		6	2	12	6	2	7½	0	7¾
						7	3	1	3	3	0¾	0	9
						8	3	10	0	3	6	0	10½
						9	3	18	9	3	11¼	0	11¾
						10	4	7	6	4	4½	1	1
				1	0 1¼d.	11	4	16	3	4	9¾	1	2¼
						12	5	5	0	5	3	1	3¾
						13	5	13	9	5	8¼	1	5
						14	6	2	6	6	1½	1	6¼
3	14 4¾d.					15	6	11	3	6	6¾	1	7½
						16	7	0	0	7	0	1	9
						17	7	8	9	7	5¼	1	10½
						18	7	17	6	7	10½	1	11½
						19	8	6	3	8	3¾	2	0¾
		2	0	2½d.		20	8	15	0	8	9	2	2¼
						21	9	3	9	9	2¼	2	3½
						22	9	12	6	9	7½	2	4¾
						23	10	1	3	10	0¾	2	6
					¼d.&	24	10	10	0	10	6	2	7½
				0	14 ¼ of a	25	10	18	9	10	11¼	2	8¾
					1¼d.	26	11	7	6	11	4½	2	10
						27	11	16	3	11	9¾	2	11¼
						28	12	5	0	12	3	3	0¾
3	0 4d.					29	12	13	9	12	8¼	3	2
						30	13	2	6	13	1½	3	3¼
						31	13	11	0	13	6¾	3	4¼
						32	14	0	0	14	0	3	6
						33	14	8	9	14	5¼	3	7¼
		1	14	2d.		34	14	17	6	14	10½	3	8¼
						35	15	6	3	15	3¾	3	9¾
						36	15	15	0	15	9	3	11¼
						37	16	3	9	16	2¼	4	0¾
						38	16	12	6	16	7½	4	1¾

Note—5¼ lb. to a farthing.

9s. 2d. per ton, 5½d. per cwt. — Rate per qr. cwt., stone, & lb.						No.	9s. 2d. per ton.			5½d. per cwt., bushel, day, or yard.		qr. cwt., peck, ¼ day, ¼ yard, average 1¼d. & ¼ of a halfpenny.	
qr.lb.	d. f.	qr.lb.	d. f.	qr.lb.	d. f.		£	s.	d.	s.	d.	s.	d.
						2	0	18	4	0	11	0	2¾
						3	1	7	6	1	4½	0	4
						4	1	16	8	1	10	0	5½
						5	2	5	10	2	3½	0	6¾
		2	14	3¼d.		6	2	15	0	2	9	0	8¼
						7	3	4	2	3	2½	0	9½
						8	3	13	4	3	8	0	11
						9	4	2	6	4	1½	1	0¼
					1¼d.	10	4	11	8	4	7	1	1¾
				1	0 &¼ of	11	5	0	10	5	0½	1	3
					a hlf	12	5	10	0	5	6	1	4½
						13	5	19	2	5	11½	1	5¾
						14	6	8	4	6	5	1	7¼
3	14	4¾d.				15	6	17	6	6	10½	1	8½
						16	7	6	8	7	4	1	10
						17	7	15	10	7	9½	1	11¼
						18	8	5	0	8	3	2	0¾
						19	8	14	2	8	8½	2	2
		2	0	2¾d.		20	9	3	4	9	2	2	3½
						21	9	12	6	9	7½	2	4¾
						22	10	1	8	10	1	2	6¼
						23	10	10	10	10	6½	2	7¾
					½d. &	24	11	0	0	11	0	2	9
				0	14 ⅛ of	25	11	9	2	11	5½	2	10¼
					1½d.	26	11	18	4	11	11	2	11¾
						27	12	7	6	12	4½	3	1
						28	12	16	8	12	10	3	2¼
3	0	4d.				29	13	5	10	13	3½	3	3¾
						30	13	15	0	13	9	3	5¼
						31	14	4	2	14	2½	3	6½
						32	14	13	4	14	8	3	8
						33	15	2	6	15	1½	3	9¼
		1	14	2d.		34	15	11	8	15	7	3	10¾
						35	16	0	10	16	0½	4	0
						36	16	10	0	16	6	4	1¼
						37	16	19	2	16	11½	4	2¼
						38	17	8	4	17	5	4	4¼

Note—5 lb. to the farthing.

9s. 7d. per ton, 5¾d. per cwt. — Rate per qr. cwt., stone, & lb.						No.	9s. 7d. per ton.			5¾d. per cwt., bushel, day, or yard.		qr. cwt., peck, ¼ day, ¼ yard, average 1¾d. & ¼ of 3 farthings.	
qr.	lb.	d.	f.	qr.	lb.	d. f.		£	s.	d.	s.	d.	s.	d.
							2	0	19	2	0	11½	0	2¾
							3	1	8	9	1	5¼	0	4½
							4	1	18	4	1	11	0	5¾
							5	2	7	11	2	4¾	0	7
				2	14	3¼d.	6	2	17	6	2	10¼	0	8¼
							7	3	7	1	3	4¼	0	10
							8	3	16	8	3	10	0	11¼
							9	4	6	3	4	3¾	1	1
							10	4	15	10	4	9½	1	2½
					1	0	11	5	5	5	5	3¼	1	3¾
						1¼d. nrly.	12	5	15	0	5	9	1	5¼
							13	6	4	7	6	2¾	1	6½
							14	6	14	2	6	8¼	1	8
3	14	5d.					15	7	3	9	7	2¼	1	9¼
							16	7	13	4	7	8	1	11
							17	8	2	11	8	1¾	2	0¼
							18	8	12	6	8	7¼	2	1¾
							19	9	2	1	9	1¼	2	3¼
				2	0	3d. nrly.	20	9	11	8	9	7	2	4¾
							21	10	1	3	10	0¾	2	6¼
							22	10	10	10	10	6½	2	7½
							23	11	0	5	11	0¼	2	9
							24	11	10	0	11	6	2	10½
					0	14	25	11	19	7	11	11¾	3	0
						¾d. nrly.	26	12	9	2	12	5½	3	1½
							27	12	18	9	12	11¼	3	2¾
							28	13	8	4	13	5	3	4¼
3	0	4¼d.					29	13	17	11	13	10¾	3	5¾
							30	14	7	6	14	4¼	3	7
							31	14	17	1	14	10½	3	8¼
							32	15	6	8	15	4	3	10
							33	15	16	3	15	9¾	3	11¼
				1	14	2¼d.	34	16	5	10	16	3½	4	0¾
							35	16	15	5	16	9¼	4	2¼
							36	17	5	0	17	3	4	3¾
							37	17	14	7	17	8¾	4	5¼
							38	18	4	2	18	2½	4	6½

Note—4⅔ lb. to a farthing.

10*s.* per ton, 6*d.* per cwt. — Rate per qr. cwt., stone, & lb.						No.	10s. per ton.			6*d.* per cwt., bushel, day, or yard.		qr. cwt., peck, ¼ day, ¼ yard, average 1½*d.*	
qr.lb.	d. f.	qr.lb.	d. f.	qr.lb.	d. f		£	*s*	*d.*	*s.*	*d.*	*s.*	*d.*
						2	1	0	0	1	0	0	3
						3	1	10	0	1	6	0	4½
						4	2	0	0	2	0	0	6
						5	2	10	0	2	6	0	7½
		2 14	3¾*d.*			6	3	0	0	3	0	0	9
						7	3	10	0	3	6	0	10½
						8	4	0	0	4	0	1	0
						9	4	10	0	4	6	1	1½
						10	5	0	0	5	0	1	3
				1 0	1½*d.*	11	5	10	0	5	6	1	4½
						12	6	0	0	6	0	1	6
						13	6	10	0	6	6	1	7½
						14	7	0	0	7	0	1	9
3 14	5¼*d.*					15	7	10	0	7	6	1	10½
						16	8	0	0	8	0	2	0
						17	8	10	0	8	6	2	1½
						18	9	0	0	9	0	2	3
						19	9	10	0	9	6	2	4½
		2 0	3*d.*			20	10	0	0	10	0	2	6
						21	10	10	0	10	6	2	7½
						22	11	0	0	11	0	2	9
						23	11	10	0	11	6	2	10½
						24	12	0	0	12	0	3	0
				0 14	¾*d.*	25	12	10	0	12	6	3	1½
						26	13	0	0	13	0	3	3
						27	13	10	0	13	6	3	4½
						28	14	0	0	14	0	3	6
3 0	4½*d.*					29	14	10	0	14	6	3	7½
						30	15	0	0	15	0	3	9
						31	15	10	0	15	6	3	10½
						32	16	0	0	16	0	4	0
						33	16	10	0	16	6	4	1½
		1 14	2¼*d.*			34	17	0	0	17	0	4	3
						35	17	10	0	17	6	4	4½
						36	18	0	0	18	0	4	6
						37	18	10	0	18	6	4	7½
						38	19	0	0	19	0	4	9

Note—4⅔ lb. to a farthing.

11s. 8d. per ton, 7d. per cwt. Rate per qr. cwt., stone, and lb.									No.	11s. 8d. per ton.			7d. per cwt., bushel. day, or yard.			qr. cwt., peck, ¼ day ¼ yd., average 1¼d	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	0	7	2	18	0	4⅛	1	9	0	2⅛	2	1	3	4	0	1	2	0	3⅛
3	26	0	7	2	17	0	4⅛	1	8	0	2¼	3	1	15	0	0	1	9	0	5¼
3	25	0	6⅞	3	16	0	4¼	1	7	0	2¼	4	2	6	8	0	2	4	0	7
3	24	0	6⅞	2	15	0	4¼	1	6	0	2¼	5	2	18	4	0	2	11	0	8⅜
3	23	0	6⅜	2	14	0	4¼	1	5	0	2¼	6	3	10	0	0	3	6	0	10½
3	22	0	6⅜	2	13	0	4¼	1	4	0	2	7	4	1	8	0	4	1	1	0¼
3	21	0	6⅛	2	12	0	4	1	3	0	2	8	4	13	4	0	4	8	1	2
3	20	0	6⅛	2	11	0	4	1	2	0	2	9	5	5	0	0	5	3	1	3⅜
3	19	0	6⅛	2	10	0	4	1	1	0	2	10	5	16	8	0	5	10	1	5⅛
3	18	0	6⅛	2	9	0	4	1	0	0	1⅞	11	6	8	4	0	6	5	1	7¼
3	17	0	6⅛	2	8	0	4	0	27	0	1⅞	12	7	0	0	0	7	0	1	9
3	16	0	6⅛	2	7	0	3⅞	0	26	0	1⅞	13	7	11	8	0	7	7	1	10⅜
3	15	0	6⅛	2	6	0	3⅞	0	25	0	1⅞	14	8	3	4	0	8	2	2	0½
3	14	0	6⅛	2	5	0	3⅞	0	24	0	1⅛	15	8	15	0	0	8	9	2	2½
3	13	0	6	2	4	0	3⅞	0	23	0	1⅛	16	9	6	8	0	9	4	2	4
3	12	0	6	2	3	0	3⅛	0	22	0	1⅛	17	9	18	4	0	9	11	2	5⅝
3	11	0	6	2	2	0	3⅛	0	21	0	1⅛	18	10	10	0	0	10	6	2	7⅛
3	10	0	5⅞	2	1	0	3⅛	0	20	0	1⅛	19	11	1	8	0	11	1	2	9⅛
3	9	0	5⅞	2	0	0	3⅛	0	19	0	1⅛	20	11	13	4	0	11	8	2	11
3	8	0	5⅞	1	27	0	3⅛	0	18	0	1⅛	21	12	5	0	0	12	3	3	0⅝
3	7	0	5⅞	1	26	0	3⅛	0	17	0	1⅛	22	12	16	8	0	12	10	3	2⅛
3	6	0	5⅛	1	25	0	3⅛	0	16	0	1	23	13	8	4	0	13	5	3	4⅛
3	5	0	5⅛	1	24	0	3⅛	0	15	0	1	24	14	0	0	0	14	0	3	6
3	4	0	5⅛	1	23	0	3⅛	0	14	0	In.	25	14	11	8	0	14	7	3	7⅝
3	3	0	5⅛	1	22	0	3⅛	0	13	0	0⅝	26	15	3	4	0	15	2	3	9⅛
3	2	0	5⅛	1	21	0	3	0	12	0	0⅝	27	15	15	0	0	15	9	3	11⅛
3	1	0	5⅛	1	20	0	3	0	11	0	0⅝	28	16	6	8	0	16	4	4	1
3	0	0	5⅛	1	19	0	3	0	10	0	0⅝	29	16	18	4	0	16	11	4	2⅝
2	27	0	5	1	18	0	3	0	9	0	0⅛	30	17	10	0	0	17	6	4	4⅛
2	26	0	5	1	17	0	3	0	8	0	0⅛	31	18	1	8	0	18	1	4	6⅛
2	25	0	5	1	16	0	2⅞	0	7	0	0⅛	32	18	13	4	0	18	8	4	8
2	24	0	5	1	15	0	2⅞	0	6	0	0⅛	33	19	5	0	0	19	3	4	9⅝
2	23	0	4⅞	1	14	0	2⅞	0	5	0	0⅛	34	19	16	8	0	19	10	4	11⅛
2	22	0	4⅞	1	13	0	2⅞	0	4	0	0⅛	35	20	8	4	1	0	5	5	1⅛
2	21	0	4⅞	1	12	0	2¾	0	3			36	21	0	0	1	1	0	5	3
2	20	0	4¾	1	11	0	2¾	0	2			37	21	11	8	1	1	7	5	4⅝
2	19	0	4¾	1	10	0	2¾	0	1			38	22	3	4	1	2	2	5	6¼

Note—4 lb. to a farthing.

13*s.* 4*d.* per ton, 8*d.* per cwt. — Rate per qr. cwt., stone, and lb.									No.	13*s.* 4*d.* per ton.			8*d.* per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 2*d.*	
qr.lb	s.	d.	qr.lb.	s.	d.	qr.lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3 27	0	8	2 18	0	5¼	1 9	0	2½	2	1	6	8	0	1	4	0	4
3 26	0	8	2 17	0	5¼	1 8	0	2½	3	2	0	0	0	2	0	0	6
3 25	0	7⅔	2 16	0	5	1 7	0	2½	4	2	13	4	0	2	8	0	8
3 24	0	7⅔	2 15	0	5	1 6	0	2¼	5	3	6	8	0	3	4	0	10
3 23	0	7⅔	2 14	0	5	1 5	0	2¼	6	4	0	0	0	4	0	1	0
3 22	0	7⅔	2 13	0	4⅔	1 4	0	2¼	7	4	13	4	0	4	8	1	2
3 21	0	7⅓	2 12	0	4⅔	1 3	0	2¼	8	5	6	8	0	5	4	1	4
3 20	0	7⅓	2 11	0	4⅔	1 2	0	2	9	6	0	0	0	6	0	1	6
3 19	0	7⅓	2 10	0	4⅔	1 1	0	2	10	6	13	4	0	6	8	1	8
3 18	0	7¼	2 9	0	4¼	1 0	0	2	11	7	6	8	0	7	4	1	10
3 17	0	7¼	2 8	0	4¼	0 27	0	1⅞	12	8	0	0	0	8	0	2	0
3 16	0	7¼	2 7	0	4¼	0 26	0	1⅞	13	8	13	4	0	8	8	2	2
3 15	0	7	2 6	0	4¼	0 25	0	1⅞	14	9	6	8	0	9	4	2	4
3 14	0	7	2 5	0	4¼	0 24	0	1⅞	15	10	0	0	0	10	0	2	6
3 13	0	6⅞	2 4	0	4¼	0 23	0	1⅛	16	10	13	4	0	10	8	2	8
3 12	0	6⅞	2 3	0	4¼	0 22	0	1⅛	17	11	6	8	0	11	4	2	10
3 11	0	6⅞	2 2	0	4	0 21	0	1⅛	18	12	0	0	0	12	0	3	0
3 10	0	6⅞	2 1	0	4	0 20	0	1⅛	19	12	13	4	0	12	8	3	2
3 9	0	6½	2 0	0	4	0 19	0	1¼	20	13	6	8	0	13	4	3	4
3 8	0	6½	1 27	0	3¾	0 18	0	1¼	21	14	0	0	0	14	0	3	6
3 7	0	6½	1 26	0	3¾	0 17	0	1¼	22	14	13	4	0	14	8	3	8
3 6	0	6½	1 25	0	3¾	0 16	0	1	23	15	6	8	0	15	4	3	10
3 5	0	6½	1 24	0	3¾	0 15	0	1	24	16	0	0	0	16	0	4	0
3 4	0	6½	1 23	0	3½	0 14	0	1	25	16	13	4	0	16	8	4	2
3 3	0	6½	1 22	0	3½	0 13	0	0⅞	26	17	6	8	0	17	4	4	4
3 2	0	6	1 21	0	3½	0 12	0	0⅞	27	18	0	0	0	18	0	4	6
3 1	0	6	1 20	0	3¼	0 11	0	0⅞	28	18	13	4	0	18	8	4	8
3 0	0	6	1 19	0	3¼	0 10	0	0⅞	29	19	6	8	0	19	4	4	10
2 27	0	5⅞	1 18	0	3¼	0 9	0	0¾	30	20	0	0	1	0	0	5	0
2 26	0	5⅞	1 17	0	3¼	0 8	0	0¾	31	20	13	4	1	0	8	5	2
2 25	0	5⅞	1 16	0	3	0 7	0	0¾	32	21	6	8	1	1	4	5	4
2 24	0	5½	1 15	0	3	0 6	0	0¾	33	22	0	0	1	2	0	5	6
2 23	0	5½	1 14	0	3	0 5	0	0¾	34	22	13	4	1	2	8	5	8
2 22	0	5½	1 13	0	2¾	0 4	0	0¾	35	23	6	8	1	3	4	5	10
2 21	0	5½	1 12	0	2¾	0 3	0	0¾	36	24	0	0	1	4	0	6	0
2 20	0	5½	1 11	0	2¾	0 2			37	24	13	4	1	4	8	6	2
2 19	0	5½	1 10	0	2¾	0 1			38	25	6	8	1	5	4	6	4

Note—3⅓ lb. to a farthing.

15*s.* per ton, 9*d.* per cwt. — Rate per qr. cwt., stone, and lb.									No.	15*s.* per ton.			9*d.* per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 2¼*d.*	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	0	9	2	18	0	6	1	9	0	2¾	2	1	10	0	0	1	6	0	4½
3	26	0	9	2	17	0	6	1	8	0	2¾	3	2	5	0	0	2	3	0	6¾
3	25	0	8¾	2	16	0	5¾	1	7	0	2¾	4	3	0	0	0	3	0	0	9
3	24	0	8¾	2	15	0	5¾	1	6	0	2½	5	3	15	0	0	3	9	0	11¼
3	23	0	8¾	2	14	0	5¾	1	5	0	2½	6	4	10	0	0	4	6	1	1½
3	22	0	8½	2	13	0	5½	1	4	0	2½	7	5	5	0	0	5	3	1	3¾
3	21	0	8½	2	12	0	5½	1	3	0	2½	8	6	0	0	0	6	0	1	6
3	20	0	8½	2	11	0	5½	1	2	0	2¼	9	6	15	0	0	6	9	1	8¼
3	19	0	8¼	2	10	0	5¼	1	1	0	2¼	10	7	10	0	0	7	6	1	10½
3	18	0	8¼	2	9	0	5¼	1	0	0	2¼	11	8	5	0	0	8	3	2	0¾
3	17	0	8¼	2	8	0	5¼	0	27	0	2	12	9	0	0	0	9	0	2	3
3	16	0	8	2	7	0	5	0	26	0	2	13	9	15	0	0	9	9	2	5¼
3	15	0	8	2	6	0	5	0	25	0	2	14	10	10	0	0	10	6	2	7½
3	14	0	8	2	5	0	5	0	24	0	1¾	15	11	5	0	0	11	3	2	9¾
3	13	0	7¾	2	4	0	4¾	0	23	0	1¾	16	12	0	0	0	12	0	3	0
3	12	0	7¾	2	3	0	4¾	0	22	0	1¾	17	12	15	0	0	12	9	3	2¼
3	11	0	7¾	2	2	0	4¾	0	21	0	1½	18	13	10	0	0	13	6	3	4½
3	10	0	7½	2	1	0	4½	0	20	0	1½	19	14	5	0	0	14	3	3	6¾
3	9	0	7½	2	0	0	4½	0	19	0	1½	20	15	0	0	0	15	0	3	9
3	8	0	7½	1	27	0	4½	0	18	0	1¼	21	15	15	0	0	15	9	3	11¼
3	7	0	7¼	1	26	0	4¼	0	17	0	1¼	22	16	10	0	0	16	6	4	1½
3	6	0	7¼	1	25	0	4¼	0	16	0	1¼	23	17	5	0	0	17	3	4	3¾
3	5	0	7¼	1	24	0	4	0	15	0	1	24	18	0	0	0	18	0	4	6
3	4	0	7	1	23	0	4	0	14	0	1	25	18	15	0	0	18	9	4	8¼
3	3	0	7	1	22	0	4	0	13	0	1	26	19	10	0	0	19	6	5	10½
3	2	0	7	1	21	0	3¾	0	12	0	0¾	27	20	5	0	1	0	3	5	0¾
3	1	0	6¾	1	20	0	3¾	0	11	0	0¾	28	21	0	0	1	1	0	5	3
3	0	0	6¾	1	19	0	3¾	0	10	0	0¾	29	21	15	0	1	1	9	5	5¼
2	27	0	6¾	1	18	0	3½	0	9	0	0½	30	22	10	0	1	2	6	5	7½
2	26	0	6½	1	17	0	3½	0	8	0	0½	31	23	5	0	1	3	3	6	9¾
2	25	0	6½	1	16	0	3½	0	7	0	0¼	32	24	0	0	1	4	0	6	0
2	24	0	6½	1	15	0	3¼	0	6	0	0¼	33	24	15	0	1	4	9	6	2¼
2	23	0	6¼	1	14	0	3¼	0	5	0	0¼	34	25	10	0	1	5	6	6	4½
2	22	0	6¼	1	13	0	3¼	0	4	0	0¼	35	26	5	0	1	6	3	6	6¾
2	21	0	6¼	1	12	0	3	0	3	0	0¼	36	27	0	0	1	7	0	6	9
2	20	0	6	1	11	0	3	0	2			37	27	15	0	1	7	9	6	11¼
2	19	0	6	1	10	0	3	0	1			38	28	10	0	1	8	6	7	1½

Note—3⅓ lb. to a farthing.

16s. 8d. per ton, 10d. per cwt. Rate per qr. cwt., stone, and lb.									No.	16s. 8d. per ton.			10d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yard, average 2¼d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	s.	d.
3	27	0	10n	2	18	0	6½	1 9	0 3½	2	1	13	4	0	1	8	0 5
3	26	0	9½	2	17	0	6½	1 8	0 3½	3	2	10	0	0	2	6	0 7½
3	25	0	9½	2	16	0	6½	1 7	0 3	4	3	6	8	0	3	4	0 10
3	24	0	9½	2	15	0	6½	1 6	0 3	5	4	3	4	0	4	2	1 0½
3	23	0	9½	2	14	0	6½	1 5	0 3	6	5	0	0	0	5	0	1 3
3	22	0	9½	2	13	0	6	1 4	0 2¾	7	5	16	8	0	5	10	1 5½
3	21	0	9½	2	12	0	6	1 3	0 2¾	8	6	13	4	0	6	8	1 8
3	20	0	9½	2	11	0	6	1 2	0 2¾	9	7	10	0	0	7	6	1 10½
3	19	0	9½	2	10	0	5¾	1 1	0 2½	10	8	6	8	0	8	4	2 1
3	18	0	9½	2	9	0	5	1 0	0 2½	11	9	3	4	0	9	2	2 3½
3	17	0	9	2	8	0	5¾	0 27	0 2½	12	10	0	0	0	10	0	2 6
3	16	0	9	2	7	0	5½	0 26	0 2½	13	10	16	8	0	10	10	2 8½
3	15	0	8¾	2	6	0	5½	0 25	0 2½	14	11	13	4	0	11	8	2 11
3	14	0	8¾	2	5	0	5½	0 24	0 2	15	12	10	0	0	12	6	3 1½
3	13	0	8½	2	4	0	5½	0 23	0 2	16	13	6	8	0	13	4	3 4
3	12	0	8½	2	3	0	5½	0 22	0 2	17	14	3	4	0	14	2	3 6½
3	11	0	8½	2	2	0	5½	0 21	0 1¾	18	15	0	0	0	15	0	3 9
3	10	0	8½	2	1	0	5	0 20	0 1¾	19	15	16	8	0	15	10	3 11½
3	9	0	8½	2	0	0	5	0 19	0 1¾	20	16	13	4	0	16	8	4 2
3	8	0	8½	1	27	0	4¾	0 18	0 1½	21	17	10	0	0	17	6	4 4½
3	7	0	8	1	26	0	4¾	0 17	0 1½	22	18	6	8	0	18	4	4 7
3	6	0	8	1	25	0	4¾	0 16	0 1½	23	19	3	4	0	19	2	4 9½
3	5	0	8	1	24	0	4½	0 15	0 1¼	24	20	0	0	1	0	0	5 0
3	4	0	7¾	1	23	0	4½	0 14	0 1¼	25	20	16	8	1	0	10	5 2½
3	3	0	7¾	1	22	0	4½	0 13	0 1	26	21	13	4	1	1	8	5 5
3	2	0	7¾	1	21	0	4½	0 12	0 1	27	22	10	0	1	2	6	5 7½
3	1	0	7½	1	20	0	4½	0 11	0 1	28	23	6	8	1	3	4	5 10
3	0	0	7½	1	19	0	4½	0 10	0 0¾	29	24	3	4	1	4	2	6 0½
2	27	0	7½	1	18	0	4	0 9	0 0¾	30	25	0	0	1	5	0	6 3
2	26	0	7½	1	17	0	4	0 8	0 0¾	31	25	16	8	1	5	10	6 5½
2	25	0	7½	1	16	0	4	0 7	0 0½	32	26	13	4	1	6	8	6 8
2	24	0	7	1	15	0	3¾	0 6	0 0½	33	27	10	0	1	7	6	6 10½
2	23	0	7	1	14	0	3¾	0 5	0 0½	34	28	6	8	1	8	4	7 1
2	22	0	7	1	13	0	3½	0 4	0 0¼	35	29	3	4	1	9	2	7 3½
2	21	0	6¾	1	12	0	3½	0 3	0 0¼	36	30	0	0	1	10	0	7 6
2	20	0	6¾	1	11	0	3½	0 2		37	30	16	8	1	10	10	7 8½
2	19	0	6¾	1	10	0	3½	0 1		38	31	13	4	1	11	8	7 11

Note—2¼ lb. to a farthing, nearly.

18*s.* 4*d.* per ton, 11*d.* per cwt. Rate per qr. cwt., stone, and lb.									No.	18*s.* 4*d.* per ton.			11*d.* per cwt., bushel, day or yard.			qr. cwt., peck, ½ day, ½ yard, average 2¼*d.*	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	0	11n.	2	18	0	7½	1	9	0	3½	2	1	16	8	0	1	10	0	5½
3	26	0	10¾	2	17	0	7¼	1	8	0	3¼	3	2	15	0	0	2	9	0	8¼
3	25	0	10¾	2	16	0	7¼	1	7	0	3¼	4	3	13	4	0	3	8	0	11
3	24	0	10½	2	15	0	7	1	6	0	3¼	5	4	11	8	0	4	7	1	1¾
3	23	0	10½	2	14	0	7	1	5	0	3	6	5	10	0	0	5	6	1	4¾
3	22	0	10¼	2	13	0	6¾	1	4	0	3	7	6	8	4	0	6	5	1	7¾
3	21	0	10¼	2	12	0	6¾	1	3	0	2¾	8	7	6	8	0	7	4	1	10
3	20	0	10¼	2	11	0	6¾	1	2	0	2¾	9	8	5	0	0	8	3	2	0¾
3	19	0	10	2	10	0	6½	1	1	0	2½	10	9	3	4	0	9	2	2	3½
3	18	0	10	2	9	0	6½	1	0	0	2½	11	10	1	8	0	10	1	2	6½
3	17	0	10	2	8	0	6½	0	27	0	2½	12	11	0	0	0	11	0	2	9
3	16	0	9¾	2	7	0	6½	0	26	0	2½	13	11	18	4	0	11	11	2	11¾
3	15	0	9¾	2	6	0	6	0	25	0	2½	14	12	16	8	0	12	10	3	2¾
3	14	0	9½	2	5	0	6	0	24	0	2	15	13	15	0	0	13	9	3	5½
3	13	0	9½	2	4	0	5¾	0	23	0	2	16	14	13	4	0	14	8	3	8
3	12	0	9¼	2	3	0	5¾	0	22	0	2	17	15	11	8	0	15	7	3	10¾
3	11	0	9¼	2	2	0	5¾	0	21	0	1¾	18	16	10	0	0	16	6	4	1¾
3	10	0	9¼	2	1	0	5½	0	20	0	1¾	19	17	8	4	0	17	5	4	4¾
3	9	0	9	2	0	0	5½	0	19	0	1¾	20	18	6	8	0	18	4	4	7
3	8	0	9	1	27	0	5½	0	18	0	1¾	21	19	5	0	0	19	3	4	9¾
3	7	0	9	1	26	0	5¼	0	17	0	1¾	22	20	3	4	1	0	2	5	0¾
3	6	0	8¾	1	25	0	5¼	0	16	0	1¾	23	21	1	8	1	1	1	5	3¾
3	5	0	8¾	1	24	0	5	0	15	0	1¼	24	22	0	0	1	2	0	5	6
3	4	0	8¼	1	23	0	5	0	14	0	1¼	25	22	18	4	1	2	11	5	8¾
3	3	0	8¼	1	22	0	4¾	0	13	0	1	26	23	16	8	1	3	10	5	11¼
3	2	0	8¼	1	21	0	4¾	0	12	0	1	27	24	15	0	1	4	9	6	2¼
3	1	0	8¼	1	20	0	4¾	0	11	0	1	28	25	13	4	1	5	8	6	5
3	0	0	8¼	1	19	0	4¼	0	10	0	0¾	29	26	11	8	1	6	7	6	7¾
2	27	0	8	1	18	0	4¼	0	9	0	0¾	30	27	10	0	1	7	6	6	10¾
2	26	0	8	1	17	0	4¼	0	8	0	0¾	31	28	8	4	1	8	5	7	1¾
2	25	0	8	1	16	0	4¼	0	7	0	0¾	32	29	6	8	1	9	4	7	4
2	24	0	7¾	1	15	0	4	0	6	0	0¾	33	30	5	0	1	10	3	7	6¾
2	23	0	7¾	1	14	0	4	0	5	0	0¾	34	31	3	4	1	11	2	7	9¼
2	22	0	7¾	1	13	0	3¾	0	4	0	0¼	35	32	1	8	1	12	1	8	0¼
2	21	0	7½	1	12	0	3¾	0	3	0	0¼	36	33	0	0	1	13	0	8	3
2	20	0	7½	1	11	0	3¾	0	2			37	33	18	4	1	13	11	8	5¾
2	19	0	7½	1	10	0	3½	0	1			38	34	16	8	1	14	10	8	8½

Note—2¼lb. to a farthing.

20s. per ton, 1s. per cwt. Rate per qr. cwt., stone, and lb.									No.	20s. per ton.			1s. per cwt: bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, average 3d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	1	0n.	2	18	0	8	1	9	0	4	2	2	0	0	0	2	0	0	6
3	26	0	11⅞	2	17	0	7⅞	1	8	0	3⅞	3	3	0	0	0	3	0	0	9
3	25	0	11¾	2	16	0	7¾	1	7	0	3¾	4	4	0	0	0	4	0	1	0
3	24	0	11⅝	2	15	0	7⅝	1	6	0	3⅝	5	5	0	0	0	5	0	1	3
3	23	0	11½	2	14	0	7½	1	5	0	3½	6	6	0	0	0	6	0	1	6
3	22	0	11¼	2	13	0	7¼	1	4	0	3¼	7	7	0	0	0	7	0	1	9
3	21	0	11¼	2	12	0	7¼	1	3	0	3¼	8	8	0	0	0	8	0	2	0
3	20	0	11	2	11	0	7¼	1	2	0	3¼	9	9	0	0	0	9	0	2	3
3	19	0	11	2	10	0	7	1	1	0	3	10	10	0	0	0	10	0	2	6
3	18	0	11	2	9	0	7	1	0	0	3	11	11	0	0	0	11	0	2	9
3	17	0	10⅞	2	8	0	6⅞	0	27	0	2⅞	12	12	0	0	0	12	0	3	0
3	16	0	10¾	2	7	0	6¾	0	26	0	2¾	13	13	0	0	0	13	0	3	3
3	15	0	10½	2	6	0	6½	0	25	0	2½	14	14	0	0	0	14	0	3	6
3	14	0	10½	2	5	0	6½	0	24	0	2½	15	15	0	0	0	15	0	3	9
3	13	0	10¼	2	4	0	6¼	0	23	0	2¼	16	16	0	0	0	16	0	4	0
3	12	0	10¼	2	3	0	6¼	0	22	0	2¼	17	17	0	0	0	17	0	4	3
3	11	0	10	2	2	0	6¼	0	21	0	2¼	18	18	0	0	0	18	0	4	6
3	10	0	10	2	1	0	6	0	20	0	2¼	19	19	0	0	0	19	0	4	9
3	9	0	10	2	0	0	6	0	19	0	2	20	20	0	0	1	0	0	5	0
3	8	0	9⅞	1	27	0	5⅞	0	18	0	2	21	21	0	0	1	1	0	5	3
3	7	0	9¾	1	26	0	5¾	0	17	0	1⅞	22	22	0	0	1	2	0	5	6
3	6	0	9½	1	25	0	5½	0	16	0	1¾	23	23	0	0	1	3	0	5	9
3	5	0	9½	1	24	0	5½	0	15	0	1½	24	24	0	0	1	4	0	6	0
3	4	0	9¼	1	23	0	5¼	0	14	0	1½	25	25	0	0	1	5	0	6	3
3	3	0	9¼	1	22	0	5¼	0	13	0	1¼	26	26	0	0	1	6	0	6	6
3	2	0	9¼	1	21	0	5¼	0	12	0	1¼	27	27	0	0	1	7	0	6	9
3	1	0	9	1	20	0	5	0	11	0	1	28	28	0	0	1	8	0	7	0
3	0	0	9	1	19	0	5	0	10	0	1	29	29	0	0	1	9	0	7	3
2	27	0	8¾	1	18	0	4⅞	0	9	0	0⅞	30	30	0	0	1	10	0	7	6
2	26	0	8¾	1	17	0	4⅞	0	8	0	0⅞	31	31	0	0	1	11	0	7	9
2	25	0	8¾	1	16	0	4¾	0	7	0	0½	32	32	0	0	1	12	0	8	0
2	24	0	8½	1	15	0	4½	0	6	0	0½	33	33	0	0	1	13	0	8	3
2	23	0	8½	1	14	0	4½	0	5	0	0½	34	34	0	0	1	14	0	8	6
2	22	0	8½	1	13	0	4½	0	4	0	0¼	35	35	0	0	1	15	0	8	9
2	21	0	8¼	1	12	0	4¼	0	3	0	0¼	36	36	0	0	1	16	0	9	0
2	20	0	8¼	1	11	0	4¼	0	2			37	37	0	0	1	17	0	9	3
2	19	0	8	1	10	0	4	0	1			38	38	0	0	1	18	0	9	6

Note—2⅞lb. to a farthing.

21*s.* 8*d.* per ton, 1*s.* 1*d.* per cwt. — Rate per qr. cwt., stone, and lb.									No.	21*s.* 8*d.* per ton.			1*s.* 1*d.* per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 3¼*d.*	
qr.	lb.	*s.*	*d.*	qr.	lb.	*s.*	*d.*	qr.	lb.	*s.*	*d.*		£	*s.*	*d.*	£	*s.*	*d.*	*s.*	*d.*
3	27	1	1n.	2	18	0	8¼	1	9	0	4½	2	2	3	4	0	2	2	0	6½
3	26	1	0¾	2	17	0	8¼	1	8	0	4½	3	3	5	0	0	3	3	0	9¾
3	25	1	0¾	2	16	0	8¼	1	7	0	4	4	4	6	8	0	4	4	1	1
3	24	1	0¾	2	15	0	8	1	6	0	4	5	5	8	4	0	5	5	1	4½
3	23	1	0¼	2	14	0	8	1	5	0	3¾	6	6	10	0	0	6	6	1	7¼
3	22	1	0¾	2	13	0	7¾	1	4	0	3¾	7	7	11	8	0	7	7	1	10¾
3	21	1	0¼	2	12	0	7¾	1	3	0	3½	8	8	13	4	0	8	8	2	2
3	20	1	0¼	2	11	0	7¾	1	2	0	3½	9	9	15	0	0	9	9	2	5¼
3	19	1	0	2	10	0	7½	1	1	0	3¼	10	10	16	8	0	10	10	2	8½
3	18	1	0	2	9	0	7½	1	0	0	3¼	11	11	18	4	0	11	11	2	11¾
3	17	0	11¾	2	8	0	7¼	0	27	0	3	12	13	0	0	0	13	0	3	3
3	16	0	11¾	2	7	0	7¼	0	26	0	3	13	14	1	8	0	14	1	3	6¼
3	15	0	11¼	2	6	0	7	0	25	0	2¾	14	15	3	4	0	15	2	3	9½
3	14	0	11¼	2	5	0	7	0	24	0	2¾	15	16	5	0	0	16	3	4	0¾
3	13	0	11¼	2	4	0	7	0	23	0	2½	16	17	6	8	0	17	4	4	4
3	12	0	11¼	2	3	0	6¾	0	22	0	2½	17	18	8	4	0	18	5	4	7¼
3	11	0	11	2	2	0	6¾	0	21	0	2¼	18	19	10	0	0	19	6	4	10½
3	10	0	11	2	1	0	6½	0	20	0	2¼	19	20	11	8	1	0	7	5	1¾
3	9	0	10¾	2	0	0	6½	0	19	0	2	20	21	13	4	1	1	8	5	5
3	8	0	10¾	1	27	0	6¼	0	18	0	2	21	22	15	0	1	2	9	5	8¼
3	7	0	10¼	1	26	0	6¼	0	17	0	1¾	22	23	16	8	1	3	10	5	11½
3	6	0	10¼	1	25	0	6	0	16	0	1¾	23	24	18	4	1	4	11	6	2¾
3	5	0	10¼	1	24	0	6	0	15	0	1½	24	26	0	0	1	6	0	6	6
3	4	0	10¼	1	23	0	6	0	14	0	1½	25	27	1	8	1	7	1	6	9¼
3	3	0	10	1	22	0	5¾	0	13	0	1¼	26	28	3	4	1	8	2	7	0½
3	2	0	10	1	21	0	5¾	0	12	0	1¼	27	29	5	0	1	9	3	7	3¾
3	1	0	9¾	1	20	0	5½	0	11	0	1	28	30	6	8	1	10	4	7	7
3	0	0	9¾	1	19	0	5½	0	10	0	1	29	31	8	4	1	11	5	7	10¼
2	27	0	9¼	1	18	0	5¼	0	9	0	1	30	32	10	0	1	12	6	8	1½
2	26	0	9¼	1	17	0	5¼	0	8	0	0¾	31	33	11	8	1	13	7	8	4¾
2	25	0	9¼	1	16	0	5¼	0	7	0	0¾	32	34	13	4	1	14	8	8	8
2	24	0	9¼	1	15	0	5	0	6	0	0¼	33	35	15	0	1	15	9	8	11¼
2	23	0	8¾	1	14	0	5	0	5	0	0¼	34	36	16	8	1	16	10	9	2¼
2	22	0	8¾	1	13	0	4¾	0	4	0	0¼	35	37	18	4	1	17	11	9	5¾
2	21	0	8¼	1	12	0	4¾	0	3	0	0¼	36	39	0	0	1	19	0	9	9
2	20	0	8¼	1	11	0	4½	0	2			37	40	1	8	2	0	1	10	0¼
2	19	0	8¼	1	10	0	4½	0	1			38	41	3	4	2	1	2	10	3½

Note—2¼ lb. to a farthing.

23s. 4d. per ton, 1s. 2d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	23s. 4d. per ton.			1s. 2d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., aver. 9¼d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	1	2n.	2	18	0	9¼	1	9	0	4¾	2	2	6	8	0	2	4	0	7
3	26	1	1¾	2	17	0	9¼	1	8	0	4½	3	3	10	0	0	3	6	0	10½
3	25	1	1¾	2	16	0	9	1	7	0	4½	4	4	13	4	0	4	8	1	2
3	24	1	1½	2	15	0	9	1	6	0	4¼	5	5	16	8	0	5	10	1	5½
3	23	1	1½	2	14	0	8¾	1	5	0	4¼	6	7	0	0	0	7	0	1	9
3	22	1	1¼	2	13	0	8¾	1	4	0	4	7	8	3	4	0	8	2	2	0½
3	21	1	1¼	2	12	0	8½	1	3	0	4	8	9	6	8	0	9	4	2	4
3	20	1	1	2	11	0	8½	1	2	0	3¾	9	10	10	0	0	10	6	2	7½
3	19	1	1	2	10	0	8¼	1	1	0	3¾	10	11	13	4	0	11	8	2	11
3	18	1	0¾	2	9	0	8¼	1	0	0	3½	11	12	16	8	0	12	10	3	2½
3	17	1	0¾	2	8	0	8	0	27	0	3½	12	14	0	0	0	14	0	3	6
3	16	1	0¾	2	7	0	8	0	26	0	3¼	13	15	3	4	0	15	2	3	9½
3	15	1	0½	2	6	0	7¾	0	25	0	3¼	14	16	6	8	0	16	4	4	1
3	14	1	0½	2	5	0	7¾	0	24	0	3	15	17	10	0	0	17	6	4	4½
3	13	1	0½	2	4	0	7½	0	23	0	3	16	18	13	4	0	18	8	4	8
3	12	1	0	2	3	0	7½	0	22	0	2¾	17	19	16	8	0	19	10	4	11½
3	11	1	0	2	2	0	7¼	0	21	0	2¾	18	21	0	0	1	1	0	5	3
3	10	0	11¾	2	1	0	7¼	0	20	0	2½	19	22	3	4	1	2	2	5	6½
3	9	0	11¾	2	0	0	7	0	19	0	2½	20	23	6	8	1	3	4	5	10
3	8	0	11½	1	27	0	7	0	18	0	2¼	21	24	10	0	1	4	6	6	1½
3	7	0	11½	1	26	0	6¾	0	17	0	2¼	22	25	13	4	1	5	8	6	5
3	6	0	11¼	1	25	0	6¾	0	16	0	2	23	26	16	8	1	6	10	6	8½
3	5	0	11¼	1	24	0	6½	0	15	0	2	24	28	0	0	1	8	0	7	0
3	4	0	11	1	23	0	6½	0	14	0	1¾	25	29	3	4	1	9	2	7	3½
3	3	0	11	1	22	0	6¼	0	13	0	1¾	26	30	6	8	1	10	4	7	7
3	2	0	10¾	1	21	0	6¼	0	12	0	1½	27	31	10	0	1	11	6	7	10½
3	1	0	10¾	1	20	0	6	0	11	0	1½	28	32	13	4	1	12	8	8	2
3	0	0	10½	1	19	0	6	0	10	0	1¼	29	33	16	8	1	13	10	8	5½
2	27	0	10½	1	18	0	5¾	0	9	0	1¼	30	35	0	0	1	15	0	8	9
2	26	0	10½	1	17	0	5¾	0	8	0	1	31	36	3	4	1	16	2	9	0½
2	25	0	10¼	1	16	0	5½	0	7	0	1	32	37	6	8	1	17	4	9	4
2	24	0	10	1	15	0	5½	0	6	0	0¾	33	38	10	0	1	18	6	9	7½
2	23	0	10	1	14	0	5½	0	5	0	0¾	34	39	13	4	1	19	8	9	11
2	22	0	9¾	1	13	0	5¼	0	4	0	0¾	35	40	16	8	2	0	10	10	2½
2	21	0	9¾	1	12	0	5	0	3	0	0½	36	42	0	0	2	2	0	10	6
2	20	0	9½	1	11	0	5	0	2	0	0½	37	43	3	4	2	3	2	10	9½
2	19	0	9½	1	10	0	4¾	0	1			38	44	6	8	2	4	4	11	1

Note—2 lb. to a farthing.

£1 5s. per ton, 1s. 3d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£1 5s. per ton.			1s. 3d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 8¾d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	1	2⅜	2	18	0	10	1	9	0	5	2	2	10	0	0	2	6	0	7½
3	26	1	2⅜	2	17	0	9⅜	1	8	0	5	3	3	15	0	0	3	9	0	11¼
3	25	1	2⅓	2	16	0	9⅜	1	7	0	4⅝	4	5	0	0	0	5	0	1	3
3	24	1	2⅓	2	15	0	9⅛	1	6	0	4⅝	5	6	5	0	0	6	3	1	6¾
3	23	1	2¼	2	14	0	9⅛	1	5	0	4¼	6	7	10	0	0	7	6	1	10½
3	22	1	2¼	2	13	0	9¼	1	4	0	4¼	7	8	15	0	0	8	9	2	2¼
3	21	1	2	2	12	0	9¼	1	3	0	4¼	8	10	0	0	0	10	0	2	6
3	20	1	1⅞	2	11	0	9	1	2	0	4	9	11	5	0	0	11	3	2	9¾
3	19	1	1⅞	2	10	0	9	1	1	0	4	10	12	10	0	0	12	6	3	1½
3	18	1	1⅞	2	9	0	8⅞	1	0	0	3⅞	11	13	15	0	0	13	9	3	5¼
3	17	1	1½	2	8	0	8⅜	0	27	0	3½	12	15	0	0	0	15	0	3	9
3	16	1	1½	2	7	0	8⅜	0	26	0	3½	13	16	5	0	0	16	3	4	0⅜
3	15	1	1½	2	6	0	8¼	0	25	0	3½	14	17	10	0	0	17	6	4	4½
3	14	1	1	2	5	0	8¼	0	24	0	3½	15	18	15	0	0	18	9	4	8¼
3	13	1	0⅞	2	4	0	8	0	23	0	3	16	20	0	0	1	0	0	5	0
3	12	1	0⅞	2	3	0	8	0	22	0	3	17	21	5	0	1	1	3	5	3¾
3	11	1	0¾	2	2	0	7⅞	0	21	0	2⅞	18	22	10	0	1	2	6	5	7½
3	10	1	0¾	2	1	0	7⅞	0	20	0	2⅞	19	23	15	0	1	3	9	5	11¼
3	9	1	0⅝	2	0	0	7⅛	0	19	0	2⅝	20	25	0	0	1	5	0	6	3
3	8	1	0⅝	1	27	0	7⅛	0	18	0	2⅝	21	26	5	0	1	6	3	6	6¾
3	7	1	0	1	26	0	7¼	0	17	0	2½	22	27	10	0	1	7	6	6	10½
3	6	1	0	1	25	0	7	0	16	0	2½	23	28	15	0	1	8	9	7	2¼
3	5	0	11⅞	1	24	0	7	0	15	0	2	24	30	0	0	1	10	0	7	6
3	4	0	11⅞	1	23	0	6⅞	0	14	0	2	25	31	5	0	1	11	3	7	9¾
3	3	0	11¾	1	22	0	6⅞	0	13	0	1⅞	26	32	10	0	1	12	6	8	1½
3	2	0	11¾	1	21	0	6¾	0	12	0	1⅞	27	33	15	0	1	13	9	8	5¼
3	1	0	11¾	1	20	0	6¾	0	11	0	1⅞	28	35	0	0	1	15	0	8	9
3	0	0	11¾	1	19	0	6¾	0	10	0	1⅞	29	36	5	0	1	16	3	9	0¾
2	27	0	11	1	18	0	6¾	0	9	0	1¾	30	37	10	0	1	17	6	9	4½
2	26	0	11	1	17	0	6	0	8	0	1	31	38	15	0	1	18	9	9	8¼
2	25	0	10⅞	1	16	0	6	0	7	0	1	32	40	0	0	2	0	0	10	0
2	24	0	10⅞	1	15	0	5⅞	0	6	0	0⅞	33	41	5	0	2	1	3	10	3¾
2	23	0	10⅛	1	14	0	5⅞	0	5	0	0⅞	34	42	10	0	2	2	6	10	7½
2	22	0	10⅛	1	13	0	5⅛	0	4	0	0⅛	35	43	15	0	2	3	9	10	11¼
2	21	0	10¼	1	12	0	5¼	0	3	0	0⅛	36	45	0	0	2	5	0	11	3
2	20	0	10¼	1	11	0	5¼	0	2	0	0⅛	37	46	5	0	2	6	3	11	6¾
2	19	0	10	1	10	0	5¼	0	1			38	47	10	0	2	7	6	11	10½

Note—1⅞ lb. to a farthing.

23s. 4d. per ton, 1s. 2d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	23s. 4d. per ton.			1s. 2d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., aver. 3¼d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	1	2n.	2	18	0	9½	1	9	0	4¾	2	2	6	8	0	2	4	0	7
3	26	1	1¾	2	17	0	9¼	1	8	0	4½	3	3	10	0	0	3	6	0	10½
3	25	1	1¾	2	16	0	9	1	7	0	4½	4	4	13	4	0	4	8	1	2
3	24	1	1½	2	15	0	9	1	6	0	4¼	5	5	16	8	0	5	10	1	5½
3	23	1	1½	2	14	0	8¾	1	5	0	4¼	6	7	0	0	0	7	0	1	9
3	22	1	1¼	2	13	0	8¾	1	4	0	4	7	8	3	4	0	8	2	2	0½
3	21	1	1¼	2	12	0	8½	1	3	0	4	8	9	6	8	0	9	4	2	4
3	20	1	1	2	11	0	8¼	1	2	0	3¾	9	10	10	0	0	10	6	2	7½
3	19	1	1	2	10	0	8¼	1	1	0	3¾	10	11	13	4	0	11	8	2	11
3	18	1	0¾	2	9	0	8¼	1	0	0	3½	11	12	16	8	0	12	10	3	2½
3	17	1	0¾	2	8	0	8	0	27	0	3½	12	14	0	0	0	14	0	3	6
3	16	1	0¼	2	7	0	8	0	26	0	3½	13	15	3	4	0	15	2	3	9½
3	15	1	0¼	2	6	0	7¾	0	25	0	3½	14	16	6	8	0	16	4	4	1
3	14	1	0¼	2	5	0	7¾	0	24	0	3	15	17	10	0	0	17	6	4	4½
3	13	1	0¼	2	4	0	7¼	0	23	0	3	16	18	13	4	0	18	8	4	8
3	12	1	0	2	3	0	7¼	0	22	0	2¾	17	19	16	8	0	19	10	4	11½
3	11	1	0	2	2	0	7¼	0	21	0	2¾	18	21	0	0	1	1	0	5	3
3	10	0	11¾	2	1	0	7¼	0	20	0	2½	19	22	3	4	1	2	2	5	6½
3	9	0	11¾	2	0	0	7	0	19	0	2½	20	23	6	8	1	3	4	5	10
3	8	0	11¼	1	27	0	7	0	18	0	2¼	21	24	10	0	1	4	6	6	1¼
3	7	0	11¼	1	26	0	6¾	0	17	0	2¼	22	25	13	4	1	5	8	6	5
3	6	0	11¼	1	25	0	6¾	0	16	0	2	23	26	16	8	1	6	10	6	8½
3	5	0	11¼	1	24	0	6½	0	15	0	2	24	28	0	0	1	8	0	7	0
3	4	0	11	1	23	0	6½	0	14	0	1¾	25	29	3	4	1	9	2	7	3½
3	3	0	11	1	22	0	6¼	0	13	0	1¾	26	30	6	8	1	10	4	7	7
3	2	0	10¾	1	21	0	6¼	0	12	0	1½	27	31	10	0	1	11	6	7	10½
3	1	0	10¾	1	20	0	6	0	11	0	1½	28	32	13	4	1	12	8	8	2
3	0	0	10½	1	19	0	6	0	10	0	1¼	29	33	16	8	1	13	10	8	5½
2	27	0	10¼	1	18	0	5¾	0	9	0	1¼	30	35	0	0	1	15	0	8	9
2	26	0	10¼	1	17	0	5¾	0	8	0	1	31	36	3	4	1	16	2	9	0½
2	25	0	10¼	1	16	0	5½	0	7	0	1	32	37	6	8	1	17	4	9	4
2	24	0	10	1	15	0	5½	0	6	0	0¾	33	38	10	0	1	18	6	9	7½
2	23	0	10	1	14	0	5¼	0	5	0	0¾	34	39	13	4	1	19	8	9	11
2	22	0	9¾	1	13	0	5¼	0	4	0	0½	35	40	16	8	2	0	10	10	2½
2	21	0	9¾	1	12	0	5	0	3	0	0½	36	42	0	0	2	2	0	10	6
2	20	0	9½	1	11	0	5	0	2	0	0¼	37	43	3	4	2	3	2	10	9½
2	19	0	9½	1	10	0	4¾	0	1			38	44	6	8	2	4	4	11	1

Note—2 lb. to a farthing.

£1 5s. per ton, 1s. 3d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£1 5s. per ton.			1s. 3d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 3¾d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	1	2¾	2	18	0	10	1	9	0	5	2	2	10	0	0	2	6	0	7½
3	26	1	2¾	2	17	0	9¾	1	8	0	5	3	3	15	0	0	3	9	0	11¼
3	25	1	2½	2	16	0	9¾	1	7	0	4¾	4	5	0	0	0	5	0	1	3
3	24	1	2½	2	15	0	9½	1	6	0	4¾	5	6	5	0	0	6	3	1	6¾
3	23	1	2¼	2	14	0	9⅛	1	5	0	4¼	6	7	10	0	0	7	6	1	10½
3	22	1	2¼	2	13	0	9¼	1	4	0	4¼	7	8	15	0	0	8	9	2	2¼
3	21	1	2	2	12	0	9¼	1	3	0	4¼	8	10	0	0	0	10	0	2	6
3	20	1	1¾	2	11	0	9	1	2	0	4	9	11	5	0	0	11	3	2	9¾
3	19	1	1¾	2	10	0	9	1	1	0	4	10	12	10	0	0	12	6	3	1½
3	18	1	1½	2	9	0	8¾	1	0	0	3¾	11	13	15	0	0	13	9	3	5¼
3	17	1	1½	2	8	0	8¾	0	27	0	3¾	12	15	0	0	0	15	0	3	9
3	16	1	1¼	2	7	0	8½	0	26	0	3¾	13	16	5	0	0	16	3	4	0¾
3	15	1	1¼	2	6	0	8¼	0	25	0	3¼	14	17	10	0	0	17	6	4	4½
3	14	1	1	2	5	0	8¼	0	24	0	3¼	15	18	15	0	0	18	9	4	8¼
3	13	1	0¾	2	4	0	8	0	23	0	3	16	20	0	0	1	0	0	5	0
3	12	1	0¾	2	3	0	8	0	22	0	3	17	21	5	0	1	1	3	5	3¾
3	11	1	0½	2	2	0	7¾	0	21	0	2¾	18	22	10	0	1	2	6	5	7½
3	10	1	0½	2	1	0	7¾	0	20	0	2¾	19	23	15	0	1	3	9	5	11¼
3	9	1	0¼	2	0	0	7½	0	19	0	2¾	20	25	0	0	1	5	0	6	3
3	8	1	0¼	1	27	0	7¼	0	18	0	2¾	21	26	5	0	1	6	3	6	6¾
3	7	1	0	1	26	0	7¼	0	17	0	2¼	22	27	10	0	1	7	6	6	10½
3	6	1	0	1	25	0	7	0	16	0	2¼	23	28	15	0	1	8	9	7	2¼
3	5	0	11¾	1	24	0	7	0	15	0	2	24	30	0	0	1	10	0	7	6
3	4	0	11¾	1	23	0	6¾	0	14	0	2	25	31	5	0	1	11	3	7	9¾
3	3	0	11½	1	22	0	6¾	0	13	0	1¾	26	32	10	0	1	12	6	8	1½
3	2	0	11½	1	21	0	6½	0	12	0	1¾	27	33	15	0	1	13	9	8	5¼
3	1	0	11¼	1	20	0	6½	0	11	0	1¼	28	35	0	0	1	15	0	8	9
3	0	0	11¼	1	19	0	6¼	0	10	0	1¼	29	36	5	0	1	16	3	9	0¾
2	27	0	11	1	18	0	6¼	0	9	0	1¼	30	37	10	0	1	17	6	9	4¼
2	26	0	11	1	17	0	6	0	8	0	1	31	38	15	0	1	18	9	9	8¼
2	25	0	10¾	1	16	0	6	0	7	0	1	32	40	0	0	2	0	0	10	0
2	24	0	10¾	1	15	0	5¾	0	6	0	0¾	33	41	5	0	2	1	3	10	3¾
2	23	0	10½	1	14	0	5¾	0	5	0	0¾	34	42	10	0	2	2	6	10	7½
2	22	0	10½	1	13	0	5½	0	4	0	0¾	35	43	15	0	2	3	9	10	11¼
2	21	0	10¼	1	12	0	5½	0	3	0	0¾	36	45	0	0	2	5	0	11	3
2	20	0	10¼	1	11	0	5¼	0	2	0	0¼	37	46	5	0	2	6	3	11	6¾
2	19	0	10	1	10	0	5¼	0	1			38	47	10	0	2	7	6	11	10½

Note—1⅞ lb. to a farthing.

£1 6s. 8d. per ton, 1s. 4d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£1 6s. 8d. per ton.			1s. 4d. per cwt. bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, average 4d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	1	3¾	2	18	0	10½	1	9	0	5¼	2	2	13	4	0	2	8	0	8
3	26	1	3¾	2	17	0	10½	1	8	0	5¼	3	4	0	0	0	4	0	1	0
3	25	1	3½	2	16	0	10¼	1	7	0	5	4	5	6	8	0	5	4	1	4
3	24	1	3½	2	15	0	10¼	1	6	0	4¾	5	6	13	4	0	6	8	1	8
3	23	1	3¼	2	14	0	10	1	5	0	4¾	6	8	0	0	0	8	0	2	0
3	22	1	3	2	13	0	9¾	1	4	0	4½	7	9	6	8	0	9	4	2	4
3	21	1	3	2	12	0	9¾	1	3	0	4½	8	10	13	4	0	10	8	2	8
3	20	1	2¾	2	11	0	9½	1	2	0	4¼	9	12	0	0	0	12	0	3	0
3	19	1	2¾	2	10	0	9¼	1	1	0	4¼	10	13	6	8	0	13	4	3	4
3	18	1	2½	2	9	0	9¼	1	0	0	4	11	14	13	4	0	14	8	3	8
3	17	1	2½	2	8	0	9¼	0	27	0	3¾	12	16	0	0	0	16	0	4	0
3	16	1	2½	2	7	0	9	0	26	0	3¾	13	17	6	8	0	17	4	4	4
3	15	1	2¼	2	6	0	8¾	0	25	0	3½	14	18	13	4	0	18	8	4	8
3	14	1	2	2	5	0	8¾	0	24	0	3½	15	20	0	0	1	0	0	5	0
3	13	1	1¾	2	4	0	8½	0	23	0	3¼	16	21	6	8	1	1	4	5	4
3	12	1	1¾	2	3	0	8¼	0	22	0	3¼	17	22	13	4	1	2	8	5	8
3	11	1	1½	2	2	0	8¼	0	21	0	3	18	24	0	0	1	4	0	6	0
3	10	1	1½	2	1	0	8¼	0	20	0	2¾	19	25	6	8	1	5	4	6	4
3	9	1	1¼	2	0	0	8	0	19	0	2¾	20	26	13	4	1	6	8	6	8
3	8	1	1¼	1	27	0	7¾	0	18	0	2½	21	28	0	0	1	8	0	7	0
3	7	1	1	1	26	0	7¾	0	17	0	2½	22	29	6	8	1	9	4	7	4
3	6	1	0¾	1	25	0	7½	0	16	0	2¼	23	30	13	4	1	10	8	7	8
3	5	1	0¾	1	24	0	7¼	0	15	0	2¼	24	32	0	0	1	12	0	8	0
3	4	1	0½	1	23	0	7¼	0	14	0	2	25	33	6	8	1	13	4	8	4
3	3	1	0¼	1	22	0	7¼	0	13	0	1¾	26	34	13	4	1	14	8	8	8
3	2	1	0¼	1	21	0	7	0	12	0	1¾	27	36	0	0	1	16	0	9	0
3	1	1	0¼	1	20	0	6¾	0	11	0	1½	28	37	6	8	1	17	4	9	4
3	0	1	0	1	19	0	6¾	0	10	0	1½	29	38	13	4	1	18	8	9	8
2	27	0	11¾	1	18	0	6½	0	9	0	1¼	30	40	0	0	2	0	0	10	0
2	26	0	11¾	1	17	0	6½	0	8	0	1	31	41	6	8	2	1	4	10	4
2	25	0	11½	1	16	0	6¼	0	7	0	1	32	42	13	4	2	2	8	10	8
2	24	0	11½	1	15	0	6¼	0	6	0	0¾	33	44	0	0	2	4	0	11	0
2	23	0	11¼	1	14	0	6	0	5	0	0¾	34	45	6	8	2	5	4	11	4
2	22	0	11	1	13	0	5¾	0	4	0	0½	35	46	13	4	2	6	8	11	8
2	21	0	11	1	12	0	5¾	0	3	0	0¼	36	48	0	0	2	8	0	12	0
2	20	0	10¾	1	11	0	5½	0	2	0	0¼	37	49	6	8	2	9	4	12	4
2	19	0	10¾	1	10	0	5¼	0	1			38	50	13	4	2	10	8	12	8

Note—1¾ lb. to a farthing.

£1 8s. 4d. per ton, 1s. 5d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£1 8s. 4d. per ton.			1s. 5d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 4¼d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr. lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	1	4¾	2	18	0	11¼	1 9	0	5¾	2	2	16	8	0	2	10	0	8¼
3	26	1	4¾	2	17	0	11	1 8	0	5¼	3	4	5	0	0	4	3	1	0¾
3	25	1	4¼	2	16	0	10¾	1 7	0	5¼	4	5	13	4	0	5	8	1	5
3	24	1	4¼	2	15	0	10¾	1 6	0	5¼	5	7	1	8	0	7	1	1	9¼
3	23	1	4¼	2	14	0	10¼	1 5	0	5	6	8	10	0	0	8	6	2	1¼
3	22	1	4	2	13	0	10¼	1 4	0	4¾	7	9	18	4	0	9	11	2	5¾
3	21	1	4	2	12	0	10¼	1 3	0	4¾	8	11	6	8	0	11	4	2	10
3	20	1	3¾	2	11	0	10	1 2	0	4¼	9	12	15	0	0	12	9	3	2¼
3	19	1	3¾	2	10	0	9¾	1 1	0	4¼	10	14	3	4	0	14	2	3	6¼
3	18	1	3½	2	9	0	9¾	1 0	0	4¼	11	15	11	8	0	15	7	3	10¾
3	17	1	3½	2	8	0	9½	0 27	0	4	12	17	0	0	0	17	0	4	3
3	16	1	3½	2	7	0	9½	0 26	0	4	13	18	8	4	0	18	5	4	7¼
3	15	1	3½	2	6	0	9¼	0 25	0	3¾	14	19	16	8	0	19	10	4	11¼
3	14	1	3	2	5	0	9¼	0 24	0	3½	15	21	5	0	1	1	3	5	3¾
3	13	1	2¾	2	4	0	9	0 23	0	3½	16	22	13	4	1	2	8	5	8
3	12	1	2¾	2	3	0	9	0 22	0	3¼	17	24	1	8	1	4	1	6	0¼
3	11	1	2¼	2	2	0	8¾	0 21	0	3	18	25	10	0	1	5	6	6	4¼
3	10	1	2¼	2	1	0	8¾	0 20	0	3	19	26	18	4	1	6	11	6	8¾
3	9	1	2¼	2	0	0	8½	0 19	0	2¾	20	28	6	8	1	8	4	7	1
3	8	1	2	1	27	0	8½	0 18	0	2½	21	29	15	0	1	9	9	7	5¼
3	7	1	1¾	1	26	0	8¼	0 17	0	2½	22	31	3	4	1	11	2	7	9½
3	6	1	1¾	1	25	0	8	0 16	0	2¼	23	32	11	8	1	12	7	8	1¾
3	5	1	1½	1	24	0	7¾	0 15	0	2¼	24	34	0	0	1	14	0	8	6
3	4	1	1½	1	23	0	7¾	0 14	0	2	25	35	8	4	1	15	5	8	10¼
3	3	1	1½	1	22	0	7½	0 13	0	1¾	26	36	16	8	1	16	10	9	2¾
3	2	1	1	1	21	0	7½	0 12	0	1¾	27	38	5	0	1	18	3	9	6¾
3	1	1	1	1	20	0	7½	0 11	0	1½	28	39	13	4	1	19	8	9	11
3	0	1	0¾	1	19	0	7¼	0 10	0	1¼	29	41	1	8	2	1	1	10	3¼
2	27	1	0¾	1	18	0	7	0 9	0	1¼	30	42	10	0	2	2	6	10	7¾
2	26	1	0¾	1	17	0	7	0 8	0	1	31	43	18	4	2	3	11	10	11¾
2	25	1	0¾	1	16	0	6¾	0 7	0	1	32	45	6	8	2	5	4	11	4
2	24	1	0	1	15	0	6¾	0 6	0	0¾	33	46	15	0	2	6	9	11	8¼
2	23	1	0	1	14	0	6½	0 5	0	0¾	34	48	3	4	2	8	2	12	0¾
2	22	0	11¾	1	13	0	6½	0 4	0	0½	35	49	11	8	2	9	7	12	4¾
2	21	0	11¾	1	12	0	6¼	0 3	0	0½	36	51	0	0	2	11	0	12	9
2	20	0	11¾	1	11	0	6	0 2	0	0¼	37	52	8	4	2	12	5	13	1¼
2	19	0	11¼	1	10	0	5¾	0 1			38	53	16	8	2	13	10	13	5¼

Note—1⅓ lb. to a farthing.

£1 10s. per ton, 1s. 6d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£1 10s. per ton.			1s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 4½d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	s.	d.
3	27	1	5¾	2	18	0	11¾	1	9	0	6	2	3	0	0	0	3	0	0	9
3	26	1	5¾	2	17	0	11¾	1	8	0	5¾	3	4	10	0	0	4	6	1	1½
3	25	1	5½	2	16	0	11½	1	7	0	5½	4	6	0	0	0	6	0	1	6
3	24	1	5¼	2	15	0	11¼	1	6	0	5¼	5	7	10	0	0	7	6	1	10½
3	23	1	5¼	2	14	0	11¼	1	5	0	5¼	6	9	0	0	0	9	0	2	3
3	22	1	5	2	13	0	11	1	4	0	5	7	10	10	0	0	10	6	2	7½
3	21	1	4¾	2	12	0	11	1	3	0	5	8	12	0	0	0	12	0	3	0
3	20	1	4¾	2	11	0	10¾	1	2	0	4¾	9	13	10	0	0	13	6	3	4½
3	19	1	4½	2	10	0	10½	1	1	0	4½	10	15	0	0	0	15	0	3	9
3	18	1	4¼	2	9	0	10½	1	0	0	4½	11	16	10	0	0	16	6	4	1½
3	17	1	4¼	2	8	0	10¼	0	27	0	4¼	12	18	0	0	0	18	0	4	6
3	16	1	4	2	7	0	10	0	26	0	4¼	13	19	10	0	0	19	6	4	10½
3	15	1	4	2	6	0	10	0	25	0	4	14	21	0	0	1	1	0	5	3
3	14	1	3¾	2	5	0	9¾	0	24	0	3¾	15	22	10	0	1	2	6	5	7½
3	13	1	3½	2	4	0	9½	0	23	0	3¾	16	24	0	0	1	4	0	6	0
3	12	1	3½	2	3	0	9½	0	22	0	3½	17	25	10	0	1	5	6	6	4½
3	11	1	3¼	2	2	0	9¼	0	21	0	3¼	18	27	0	0	1	7	0	6	9
3	10	1	3	2	1	0	9¼	0	20	0	3¼	19	28	10	0	1	8	6	7	1½
3	9	1	3	2	0	0	9	0	19	0	3	20	30	0	0	1	10	0	7	6
3	8	1	2¾	1	27	0	8¾	0	18	0	2¾	21	31	10	0	1	11	6	7	10½
3	7	1	2½	1	26	0	8¾	0	17	0	2¾	22	33	0	0	1	13	0	8	3
3	6	1	2½	1	25	0	8½	0	16	0	2½	23	34	10	0	1	14	6	8	7½
3	5	1	2¼	1	24	0	8¼	0	15	0	2½	24	36	0	0	1	16	0	9	0
3	4	1	2	1	23	0	8¼	0	14	0	2¼	25	37	10	0	1	17	6	9	4½
3	3	1	2	1	22	0	8	0	13	0	2	26	39	0	0	1	19	0	9	9
3	2	1	1¾	1	21	0	7¾	0	12	0	2	27	40	10	0	2	0	6	10	1½
3	1	1	1¾	1	20	0	7¾	0	11	0	1¾	28	42	0	0	2	2	0	10	6
3	0	1	1½	1	19	0	7½	0	10	0	1½	29	43	10	0	2	3	6	10	10½
2	27	1	1¼	1	18	0	7½	0	9	0	1½	30	45	0	0	2	5	0	11	3
2	26	1	1¼	1	17	0	7¼	0	8	0	1¼	31	46	10	0	2	6	6	11	7½
2	25	1	1	1	16	0	7	0	7	0	1	32	48	0	0	2	8	0	12	0
2	24	1	0¾	1	15	0	7	0	6	0	1	33	49	10	0	2	9	6	12	4½
2	23	1	0¾	1	14	0	6¾	0	5	0	0¾	34	51	0	0	2	11	0	12	9
2	22	1	0½	1	13	0	6½	0	4	0	0½	35	52	10	0	2	12	6	13	1½
2	21	1	0½	1	12	0	6½	0	3	0	0½	36	54	0	0	2	14	0	13	6
2	20	1	0¼	1	11	0	6¼	0	2	0	0¼	37	55	10	0	2	15	6	13	10½
2	19	1	0	1	10	0	6	0	1			38	57	0	0	2	17	0	14	3

Note—1⅛ lb. to a farthing.

£1 11*s.* 8*d.* per ton, 1*s.* 7*d.* per cwt. Rate per qr. cwt., stone, & lb.									No.	£1 11*s.* 8*d.* per ton.			1*s.* 7*d.* per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 4¼*d.*	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	1	6⅜	2	18	1	0⅛	1	9	0	6⅛	2	3	3	4	0	3	2	0	9¼
3	26	1	6¼	2	17	1	0¼	1	8	0	6¼	3	4	15	0	0	4	9	1	2¼
3	25	1	6⅛	2	16	1	0⅛	1	7	0	6	4	6	6	8	0	6	4	1	7
3	24	1	6⅛	2	15	1	0⅛	1	6	0	6	5	7	18	4	0	7	11	1	11⅜
3	23	1	6	2	14	1	0	1	5	0	5⅞	6	9	10	0	0	9	6	2	4⅛
3	22	1	6	2	13	0	11⅞	1	4	0	5⅛	7	11	1	8	0	11	1	2	9¼
3	21	1	5⅞	2	12	0	11⅞	1	3	0	5⅛	8	12	13	4	0	12	8	3	2
3	20	1	5⅛	2	11	0	11⅛	1	2	0	5¼	9	14	5	0	0	14	3	3	6⅜
3	19	1	5⅛	2	10	0	11¼	1	1	0	5	10	15	16	8	0	15	10	3	11¼
3	18	1	5¼	2	9	0	11¼	1	0	0	4⅞	11	17	8	4	0	17	5	4	4¼
3	17	1	5¼	2	8	0	11	0	27	0	4¼	12	19	0	0	0	19	0	4	9
3	16	1	5	2	7	0	10⅞	0	26	0	4⅛	13	20	11	8	1	0	7	5	1⅜
3	15	1	5	2	6	0	10¼	0	25	0	4¼	14	22	3	4	1	2	2	5	6⅛
3	14	1	4⅞	2	5	0	10⅛	0	24	0	4	15	23	15	0	1	3	9	5	11¼
3	13	1	4⅛	2	4	0	10¼	0	23	0	4	16	25	6	8	1	5	4	6	4
3	12	1	4⅛	2	3	0	10	0	22	0	3⅞	17	26	18	4	1	6	11	6	8⅝
3	11	1	4¼	2	2	0	9⅞	0	21	0	3⅛	18	28	10	0	1	8	6	7	1⅜
3	10	1	4	2	1	0	9⅞	0	20	0	3¼	19	30	1	8	1	10	1	7	6¼
3	9	1	4	2	0	0	9¼	0	19	0	3¼	20	31	13	4	1	11	8	7	11
3	8	1	3⅞	1	27	0	9¼	0	18	0	3	21	33	5	0	1	13	3	8	3⅜
3	7	1	3⅞	1	26	0	9⅛	0	17	0	2⅞	22	34	16	8	1	14	10	8	8⅛
3	6	1	3⅛	1	25	0	9	0	16	0	2⅛	23	36	8	4	1	16	5	9	1¼
3	5	1	3¼	1	24	0	8⅞	0	15	0	2¼	24	38	0	0	1	18	0	9	6
3	4	1	3	1	23	0	8⅞	0	14	0	2⅛	25	39	11	8	1	19	7	9	10⅜
3	3	1	2⅞	1	22	0	8⅛	0	13	0	2¼	26	41	3	4	2	1	2	10	3⅛
3	2	1	2⅛	1	21	0	8¼	0	12	0	2	27	42	15	0	2	2	9	10	8¼
3	1	1	2¼	1	20	0	8¼	0	11	0	1⅞	28	44	6	8	2	4	4	11	1
3	0	1	2¼	1	19	0	8	0	10	0	1⅞	29	45	18	4	2	5	11	11	5⅜
2	27	1	2	1	18	0	7⅞	0	9	0	1⅛	30	47	10	0	2	7	6	11	10⅛
2	26	1	2	1	17	0	7⅞	0	8	0	1⅛	31	49	1	8	2	9	1	12	3¼
2	25	1	1⅞	1	16	0	7⅛	0	7	0	1	32	50	13	4	2	10	8	12	8
2	24	1	1⅛	1	15	0	7⅛	0	6	0	1	33	52	5	0	2	12	3	13	0⅜
2	23	1	1⅛	1	14	0	7¼	0	5	0	0⅞	34	53	16	8	2	13	10	13	5⅛
2	22	1	1¼	1	13	0	7	0	4	0	0⅛	35	55	8	4	2	15	5	13	10¼
2	21	1	1	1	12	0	7	0	3	0	0⅛	36	57	0	0	2	17	0	14	3
2	20	1	1	1	11	0	6⅞	0	2	0	0¼	37	58	11	8	2	18	7	14	7⅜
2	19	1	0⅞	1	10	0	6⅛	0	1			38	60	3	4	3	0	2	15	0⅛

Note—1¼ lb. nearly to a farthing.

£1 13s. 4d. per ton, 1s. 8d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£1 13s. 4d. per ton.			1s. 8d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 5d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	1	7¾	2	18	1	1¼	1	9	0	6¾	2	3	6	8	0	3	4	0	10
3	26	1	7½	2	17	1	1¼	1	8	0	6½	3	5	0	0	0	5	0	1	3
3	25	1	7¼	2	16	1	1	1	7	0	6¼	4	6	13	4	0	6	8	1	8
3	24	1	7¼	2	15	1	0¾	1	6	0	6	5	8	6	8	0	8	4	2	1
3	23	1	7	2	14	1	0½	1	5	0	6	6	10	0	0	0	10	0	2	6
3	22	1	7	2	13	1	0¼	1	4	0	5¾	7	11	13	4	0	11	8	2	11
3	21	1	6¾	2	12	1	0¼	1	3	0	5½	8	13	6	8	0	13	4	3	4
3	20	1	6½	2	11	1	0	1	2	0	5¼	9	15	0	0	0	15	0	3	9
3	19	1	6¼	2	10	0	11¾	1	1	0	5¼	10	16	13	4	0	16	8	4	2
3	18	1	6¼	2	9	0	11¾	1	0	0	5	11	18	6	8	0	18	4	4	7
3	17	1	6	2	8	0	11½	0	27	0	4¾	12	20	0	0	1	0	0	5	0
3	16	1	6	2	7	0	11¼	0	26	0	4¾	13	21	13	4	1	1	8	5	5
3	15	1	5¾	2	6	0	11	0	25	0	4¼	14	23	6	8	1	3	4	5	10
3	14	1	5¼	2	5	0	10¾	0	24	0	4¼	15	25	0	0	1	5	0	6	3
3	13	1	5¼	2	4	0	10¾	0	23	0	4¼	16	26	13	4	1	6	8	6	8
3	12	1	5¼	2	3	0	10¼	0	22	0	4	17	28	6	8	1	8	4	7	1
3	11	1	5	2	2	0	10¼	0	21	0	3¾	18	30	0	0	1	10	0	7	6
3	10	1	4¾	2	1	0	10¼	0	20	0	3¾	19	31	13	4	1	11	8	7	11
3	9	1	4¾	2	0	0	10	0	19	0	3½	20	33	6	8	1	13	4	8	4
3	8	1	4½	1	27	0	9¾	0	18	0	3½	21	35	0	0	1	15	0	8	9
3	7	1	4½	1	26	0	9¾	0	17	0	3	22	36	13	4	1	16	8	9	2
3	6	1	4	1	25	0	9½	0	16	0	3	23	38	6	8	1	18	4	9	7
3	5	1	4	1	24	0	9¼	0	15	0	2¾	24	40	0	0	2	0	0	10	0
3	4	1	3¾	1	23	0	9¼	0	14	0	2½	25	41	13	4	2	1	8	10	5
3	3	1	3½	1	22	0	9	0	13	0	2½	26	43	6	8	2	3	4	10	10
3	2	1	3½	1	21	0	8¾	0	12	0	2¼	27	45	0	0	2	5	0	11	3
3	1	1	3¼	1	20	0	8½	0	11	0	2	28	46	13	4	2	6	8	11	8
3	0	1	3	1	19	0	8½	0	10	0	1¾	29	48	6	8	2	8	4	12	1
2	27	1	2¾	1	18	0	8¼	0	9	0	1¾	30	50	0	0	2	10	0	12	6
2	26	1	2¾	1	17	0	8	0	8	0	1½	31	51	13	4	2	11	8	12	11
2	25	1	2½	1	16	0	7¾	0	7	0	1¼	32	53	6	8	2	13	4	13	4
2	24	1	2¼	1	15	0	7¾	0	6	0	1¼	33	55	0	0	2	15	0	13	9
2	23	1	2¼	1	14	0	7½	0	5	0	1	34	56	13	4	2	16	8	14	2
2	22	1	2	1	13	0	7¼	0	4	0	0¾	35	58	6	8	2	18	4	14	7
2	21	1	1¾	1	12	0	7¼	0	3	0	0¼	36	60	0	0	3	0	0	15	0
2	20	1	1¾	1	11	0	7	0	2	0	0¼	37	61	13	4	3	1	8	15	5
2	19	1	1½	1	10	0	6¾	0	1			38	63	6	8	3	3	4	15	10

Note—1⅓ lb. to a farthing.

£1 15s. per ton, 1s. 9d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£1 15s. per ton.			1s. 9d. per cwt., busl., day, or yard.			qr. cwt., peck, ¼ day. ¼ yard, average 6¼d.	
qr.	lb.	s.	d.	qr.	lb	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	1	8¾	2	18	1	2	1	9	0	7	2	3	10	0	0	3	6	0	10½
3	26	1	8½	2	17	1	1¾	1	8	0	7	3	5	5	0	0	5	3	1	3¾
3	25	1	8¼	2	16	1	1½	1	7	0	6¾	4	7	0	0	0	7	0	1	9
3	24	1	8	2	15	1	1¼	1	6	0	6½	5	8	15	0	0	8	9	2	2½
3	23	1	8	2	14	1	1¼	1	5	0	6½	6	10	10	0	0	10	6	2	7½
3	22	1	7¾	2	13	1	1	1	4	0	6¼	7	12	5	0	0	12	3	3	0¾
3	21	1	7¾	2	12	1	1	1	3	0	6	8	14	0	0	0	14	0	3	6
3	20	1	7½	2	11	1	0¾	1	2	0	5¾	9	15	15	0	0	15	9	3	11½
3	19	1	7½	2	10	1	0¾	1	1	0	5½	10	17	10	0	0	17	6	4	4½
3	18	1	7¼	2	9	1	0¾	1	0	0	5¼	11	19	5	0	0	19	3	4	9¾
3	17	1	7	2	8	1	0¼	0	27	0	5	12	21	0	0	1	1	0	5	3
3	16	1	6¾	2	7	1	0	0	26	0	5	13	22	15	0	1	2	9	5	8½
3	15	1	6¾	2	6	0	11¾	0	25	0	4¾	14	24	10	0	1	4	6	6	1¾
3	14	1	6½	2	5	0	11¼	0	24	0	4¾	15	26	5	0	1	6	3	6	6¾
3	13	1	6½	2	4	0	11¼	0	23	0	4½	16	28	0	0	1	8	0	7	0
3	12	1	6¼	2	3	0	11¼	0	22	0	4¼	17	29	15	0	1	9	9	7	5¼
3	11	1	6	2	2	0	11	0	21	0	4	18	31	10	0	1	11	6	7	10¼
3	10	1	5¾	2	1	0	10¾	0	20	0	4	19	33	5	0	1	13	3	8	3¾
3	9	1	5¾	2	0	0	10¼	0	19	0	3¾	20	35	0	0	1	15	0	8	9
3	8	1	5½	1	27	0	10¼	0	18	0	3¼	21	36	15	0	1	16	9	9	2½
3	7	1	5¼	1	26	0	10¼	0	17	0	3	22	38	10	0	1	18	6	9	7½
3	6	1	5	1	25	0	10	0	16	0	3	23	40	5	0	2	0	3	10	0¾
3	5	1	4¾	1	24	0	9¾	0	15	0	2¾	24	42	0	0	2	2	0	10	6
3	4	1	4¾	1	23	0	9¼	0	14	0	2½	25	43	15	0	2	3	9	10	11¼
3	3	1	4¼	1	22	0	9¼	0	13	0	2¼	26	45	10	0	2	5	6	11	4½
3	2	1	4¼	1	21	0	9¼	0	12	0	2¼	27	47	5	0	2	7	3	11	9¾
3	1	1	4	1	20	0	9	0	11	0	2	28	49	0	0	2	9	0	12	3
3	0	1	3¾	1	19	0	9	0	10	0	1¾	29	50	15	0	2	10	9	12	8¼
2	27	1	3½	1	18	0	8¾	0	9	0	1¾	30	52	10	0	2	12	6	13	1½
2	26	1	3½	1	17	0	8¼	0	8	0	1½	31	54	5	0	2	14	3	13	6¾
2	25	1	3¼	1	16	0	8¼	0	7	0	1½	32	56	0	0	2	16	0	14	0
2	24	1	3	1	15	0	8¼	0	6	0	1	33	57	15	0	2	17	9	14	5¼
2	23	1	3	1	14	0	8	0	5	0	1	34	59	10	0	2	19	6	14	10½
2	22	1	2¾	1	13	0	7¾	0	4	0	0¾	35	61	5	0	3	1	3	15	3¾
2	21	1	2¾	1	12	0	7¾	0	3	0	0¼	36	63	0	0	3	3	0	15	9
2	20	1	2½	1	11	0	7¼	0	2	0	0¼	37	64	15	0	3	4	9	16	2½
2	19	1	2½	1	10	0	7¼	0	1			38	66	10	0	3	6	6	16	7½

Note—1¼lb to a farthing.

£1 16s. 8d. per ton, 1s. 10d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£1 10s. 8d. per ton.			1s. 10d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 5¼d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	s.	d.
3	27	1	9¾	2	18	1	2¼	1 9	0 7½	2	3	13	4	0	3	8	0 11
3	26	1	9½	2	17	1	2¼	1 8	0 7½	3	5	10	0	0	5	6	1 4½
3	25	1	9¼	2	16	1	2	1 7	0 7	4	7	6	8	0	7	4	1 10
3	24	1	9	2	15	1	2	1 6	0 6¾	5	9	3	4	0	9	2	2 3½
3	23	1	9	2	14	1	1¾	1 5	0 6½	6	11	0	0	0	11	0	2 9
3	22	1	8¾	2	13	1	1½	1 4	0 6¼	7	12	16	8	0	12	10	3 2¼
3	21	1	8¼	2	12	1	1¼	1 3	0 6	8	14	13	4	0	14	8	3 8
3	20	1	8¼	2	11	1	1¼	1 2	0 6	9	16	10	0	0	16	6	4 1¼
3	19	1	8¼	2	10	1	1	1 1	0 5¾	10	18	6	8	0	18	4	4 7
3	18	1	8	2	9	1	1	1 0	0 5½	11	20	3	4	1	0	2	5 0½
3	17	1	8	2	8	1	0¾	0 27	0 5¼	12	22	0	0	1	2	0	5 6
3	16	1	7¾	2	7	1	0½	0 26	0 5¼	13	23	16	8	1	3	10	5 11½
3	15	1	7½	2	6	1	0¼	0 25	0 5	14	25	13	4	1	5	8	6 5
3	14	1	7¼	2	5	1	0¼	0 24	0 4¾	15	27	10	0	1	7	6	6 10¼
3	13	1	7	2	4	1	0	0 23	0 4½	16	29	6	8	1	9	4	7 4
3	12	1	7	2	3	0	11¾	0 22	0 4½	17	31	3	4	1	11	2	7 9½
3	11	1	6¾	2	2	0	11½	0 21	0 4¼	18	33	0	0	1	13	0	8 3
3	10	1	6¾	2	1	0	11¼	0 20	0 4	19	34	16	8	1	14	10	8 8¼
3	9	1	6¼	2	0	0	11	0 19	0 4	20	36	13	4	1	16	8	9 2
3	8	1	6¼	1	27	0	10¾	0 18	0 3¾	21	38	10	0	1	18	6	9 7¼
3	7	1	6	1	26	0	10¾	0 17	0 3½	22	40	6	8	2	0	4	10 1
3	6	1	5¾	1	25	0	10¼	0 16	0 3½	23	42	3	4	2	2	2	10 6¼
3	5	1	5¼	1	24	0	10¼	0 15	0 3	24	44	0	0	2	4	0	11 0
3	4	1	5¼	1	23	0	10¼	0 14	0 2¾	25	45	16	8	2	5	10	11 5½
3	3	1	5¼	1	22	0	10	0 13	0 2½	26	47	13	4	2	7	8	11 11
3	2	1	5	1	21	0	9¾	0 12	0 2¼	27	49	10	0	2	9	6	12 4½
3	1	1	4¾	1	20	0	9½	0 11	0 2¼	28	51	6	8	2	11	4	12 10
3	0	1	4¾	1	19	0	9¼	0 10	0 2	29	53	3	4	2	13	2	13 3½
2	27	1	4¼	1	18	0	9¼	0 9	0 1¾	30	55	0	0	2	15	0	13 9
2	26	1	4¼	1	17	0	9	0 8	0 1¾	31	56	16	8	2	16	10	14 2½
2	25	1	4	1	16	0	8¾	0 7	0 1½	32	58	13	4	2	18	8	14 8
2	24	1	3¾	1	15	0	8½	0 6	0 1¼	33	60	10	0	3	0	6	15 1¼
2	23	1	3½	1	14	0	8½	0 5	0 1	34	62	6	8	3	2	4	15 7
2	22	1	3½	1	13	0	8	0 4	0 0¾	35	64	3	4	3	4	2	16 0½
2	21	1	3¼	1	12	0	8	0 3	0 0¾	36	66	0	0	3	6	0	16 6
2	20	1	3	1	11	0	7¾	0 2	0 0¼	37	67	16	8	3	7	10	16 11½
2	19	1	2¾	1	10	0	7½	0 1		38	69	13	4	3	9	8	17 5

Note—1¼ lb. to a farthing.

£1 18s. 4d. per ton, 1s. 11d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£1 18s. 4d. per ton.			1s. 11d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 5¼d.	
qr.	lb.	s.	d.	qr	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s. d.
3	27	1	10¾	2	18	1	3½	1	9	0	7½	2	3	16	8	0	3	10	0 11½
3	26	1	10½	2	17	1	3	1	8	0	7¼	3	5	15	0	0	5	9	1 5¼
3	25	1	10¼	2	16	1	3	1	7	0	7	4	7	13	4	0	7	8	1 11
3	24	1	10¼	2	15	1	2¾	1	6	0	7	5	9	11	8	0	9	7	2 4¾
3	23	1	10	2	14	1	2½	1	5	0	6¾	6	11	10	0	0	11	6	2 10½
3	22	1	9¾	2	13	1	2¼	1	4	0	6½	7	13	8	4	0	13	5	3 4½
3	21	1	9½	2	12	1	2¼	1	3	0	6½	8	15	6	8	0	15	4	3 10
3	20	1	9¼	2	11	1	2	1	2	0	6	9	17	5	0	0	17	3	4 3¾
3	19	1	9	2	10	1	1¾	1	1	0	6	10	19	3	4	0	19	2	4 9½
3	18	1	8¾	2	9	1	1¾	1	0	0	5¾	11	21	1	8	1	1	1	5 3¼
3	17	1	8½	2	8	1	1½	0	27	0	5½	12	23	0	0	1	3	0	5 9
3	16	1	8¼	2	7	1	1¼	0	26	0	5½	13	24	18	4	1	4	11	6 2¾
3	15	1	8¼	2	6	1	1	0	25	0	5¼	14	26	16	8	1	6	10	6 8½
3	14	1	8	2	5	1	0¾	0	24	0	5	15	28	15	0	1	8	9	7 2¼
3	13	1	7¾	2	4	1	0¼	0	23	0	4¾	16	30	13	4	1	10	8	7 8
3	12	1	7¾	2	3	1	0¼	0	22	0	4¾	17	32	11	8	1	12	7	8 1¾
3	11	1	7½	2	2	1	0	0	21	0	4¼	18	34	10	0	1	14	6	8 7½
3	10	1	7¼	2	1	0	11¾	0	20	0	4¼	19	36	8	4	1	16	5	9 1½
3	9	1	7	2	0	0	11½	0	19	0	4	20	38	6	8	1	18	4	9 7
3	8	1	6¾	1	27	0	11¼	0	18	0	3¾	21	40	5	0	2	0	3	10 0¾
3	7	1	6½	1	26	0	11¼	0	17	0	3½	22	42	3	4	2	2	2	10 6½
3	6	1	6¼	1	25	0	11	0	16	0	3¼	23	44	1	8	2	4	1	11 0¼
3	5	1	6	1	24	0	10¾	0	15	0	3	24	46	0	0	2	6	0	11 6
3	4	1	5¾	1	23	0	10¾	0	14	0	2¾	25	47	18	4	2	7	11	11 11¾
3	3	1	5¾	1	22	0	10½	0	13	0	2½	26	49	16	8	2	9	10	12 5½
3	2	1	5½	1	21	0	10¼	0	12	0	2¼	27	51	15	0	2	11	9	12 11¼
3	1	1	5¼	1	20	0	10	0	11	0	2¼	28	53	13	4	2	13	8	13 5
3	0	1	5¼	1	19	0	9¾	0	10	0	2	29	55	11	8	2	15	7	13 10¾
2	27	1	5	1	18	0	9¼	0	9	0	1¾	30	57	10	0	2	17	6	14 4½
2	26	1	5	1	17	0	9¼	0	8	0	1¾	31	59	8	4	2	19	5	14 10¼
2	25	1	4¾	1	16	0	9	0	7	0	1½	32	61	6	8	3	1	4	15 4
2	24	1	4½	1	15	0	8¾	0	6	0	1¼	33	63	5	0	3	3	3	15 9¾
2	23	1	4¼	1	14	0	8¼	0	5	0	1	34	65	3	4	3	5	2	16 3½
2	22	1	4	1	13	0	8¼	0	4	0	0¾	35	67	1	8	3	7	1	16 9½
2	21	1	4	1	12	0	8	0	3	0	0¼	37	69	0	0	3	9	0	17 3
2	20	1	3¾	1	11	0	7¾	0	2	0	0¼	37	70	18	4	3	10	11	17 8¾
2	19	1	3¼	1	10	0	7½	0	1			38	72	16	8	3	12	10	18 2½

Note—1¼ lb. nearly to a farthing.

£2 per ton, 2s. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£2 per ton.			2s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 6d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	s.	d.
3	27	1	11¾	2	18	1	4	1 9	0 8	2	4	0	0	0	4	0	1	0
3	26	1	11½	2	17	1	3¾	1 8	0 7¾	3	6	0	0	0	6	0	1	6
3	25	1	11¼	2	16	1	3½	1 7	0 7½	4	8	0	0	0	8	0	2	0
3	24	1	11	2	15	1	3¼	1 6	0 7¼	5	10	0	0	0	10	0	2	6
3	23	1	11	2	14	1	3	1 5	0 7	6	12	0	0	0	12	0	3	0
3	22	1	10¾	2	13	1	2¾	1 4	0 7	7	14	0	0	0	14	0	3	6
3	21	1	10½	2	12	1	2½	1 3	0 6¾	8	16	0	0	0	16	0	4	0
3	20	1	10¼	2	11	1	2¼	1 2	0 6½	9	18	0	0	0	18	0	4	6
3	19	1	10	2	10	1	2	1 1	0 6¼	10	20	0	0	1	0	0	5	0
3	18	1	10	2	9	1	2	1 0	0 6	11	22	0	0	1	2	0	5	6
3	17	1	9¾	2	8	1	1¾	0 27	0 5¾	12	24	0	0	1	4	0	6	0
3	16	1	9½	2	7	1	1½	0 26	0 5½	13	26	0	0	1	6	0	6	6
3	15	1	9¼	2	6	1	1¼	0 25	0 5¼	14	28	0	0	1	8	0	7	0
3	14	1	9	2	5	1	1	0 24	0 5	15	30	0	0	1	10	0	7	6
3	13	1	8¾	2	4	1	1	0 23	0 5	16	32	0	0	1	12	0	8	0
3	12	1	8½	2	3	1	0¾	0 22	0 4¾	17	34	0	0	1	14	0	8	6
3	11	1	8¼	2	2	1	0½	0 21	0 4½	18	36	0	0	1	16	0	9	0
3	10	1	8	2	1	1	0¼	0 20	0 4¼	19	38	0	0	1	18	0	9	6
3	9	1	8	2	0	1	0	0 19	0 4	20	40	0	0	2	0	0	10	0
3	8	1	7¾	1	27	0	11¾	0 18	0 4	21	42	0	0	2	2	0	10	6
3	7	1	7½	1	26	0	11½	0 17	0 3¾	22	44	0	0	2	4	0	11	0
3	6	1	7¼	1	25	0	11¼	0 16	0 3½	23	46	0	0	2	6	0	11	6
3	5	1	7	1	24	0	11	0 15	0 3¼	24	48	0	0	2	8	0	12	0
3	4	1	7	1	23	0	11	0 14	0 3	25	50	0	0	2	10	0	12	6
3	3	1	6¾	1	22	0	10¾	0 13	0 2¾	26	52	0	0	2	12	0	13	0
3	2	1	6½	1	21	0	10½	0 12	0 2¼	27	54	0	0	2	14	0	13	6
3	1	1	6¼	1	20	0	10¼	0 11	0 2¼	28	56	0	0	2	16	0	14	0
3	0	1	6	1	19	0	10	0 10	0 2¼	29	58	0	0	2	18	0	14	6
2	27	1	5¾	1	18	0	10	0 9	0 2	30	60	0	0	3	0	0	15	0
2	26	1	5½	1	17	0	9¾	0 8	0 1¾	31	62	0	0	3	2	0	15	6
2	25	1	5¼	1	16	0	9½	0 7	0 1¾	32	64	0	0	3	4	0	16	0
2	24	1	5	1	15	0	9¼	0 6	0 1¼	33	66	0	0	3	6	0	16	6
2	23	1	5	1	14	0	9	0 5	0 1	34	68	0	0	3	8	0	17	0
2	22	1	4¾	1	13	0	8¾	0 4	0 0¾	35	70	0	0	3	10	0	17	6
2	21	1	4½	1	12	0	8½	0 3	0 0¼	36	72	0	0	3	12	0	18	0
2	20	1	4¼	1	11	0	8¼	0 2	0 0¼	37	74	0	0	3	14	0	18	6
2	19	1	4	1	10	0	8	0 1		38	76	0	0	3	16	0	19	0

Note—1⅛ lb. to a farthing.

£2 1s. 8d. per ton, 2s. 1d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£2 1s. 8d. per ton.			2s. 1d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 6¼d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	2	0¾	2	18	1	4¾	1	9	0	8½	2	4	3	4	0	4	2	1	0¼
3	26	2	0½	2	17	1	4½	1	8	0	8	3	6	5	0	0	6	3	1	6¾
3	25	2	0¼	2	16	1	4¼	1	7	0	8	4	8	6	8	0	8	4	2	1
3	24	2	0	2	15	1	4¼	1	6	0	7¾	5	10	8	4	0	10	5	2	7¼
3	23	2	0	2	14	1	4	1	5	0	7½	6	12	10	0	0	12	6	3	1¼
3	22	1	11¾	2	13	1	3¾	1	4	0	7¼	7	14	11	8	0	14	7	3	7¾
3	21	1	11½	2	12	1	3½	1	3	0	7	8	16	13	4	0	16	8	4	2
3	20	1	11¼	2	11	1	3¼	1	2	0	6¾	9	18	15	0	0	18	9	4	8¼
3	19	1	11	2	10	1	3	1	1	0	6½	10	20	16	8	1	0	10	5	2½
3	18	1	11	2	9	1	2¾	1	0	0	6¼	11	22	18	4	1	2	11	5	8¾
3	17	1	10¾	2	8	1	2¼	0	27	0	6	12	25	0	0	1	5	0	6	3
3	16	1	10½	2	7	1	2¼	0	26	0	5¾	13	27	1	8	1	7	1	6	9¼
3	15	1	10¼	2	6	1	2	0	25	0	5¼	14	29	3	4	1	9	2	7	3½
3	14	1	10	2	5	1	1¾	0	24	0	5¼	15	31	5	0	1	11	3	7	9¾
3	13	1	9¾	2	4	1	1¼	0	23	0	5	16	33	6	8	1	13	4	8	4
3	12	1	9¾	2	3	1	1¼	0	22	0	5	17	35	8	4	1	15	5	8	10¼
3	11	1	9½	2	2	1	1	0	21	0	4¾	18	37	10	0	1	17	6	9	4¼
3	10	1	9¼	2	1	1	0¾	0	20	0	4¼	19	39	11	8	1	19	7	9	10¾
3	9	1	9	2	0	1	0¼	0	19	0	4¼	20	41	13	4	2	1	8	10	5
3	8	1	8¾	1	27	1	0¼	0	18	0	4	21	43	15	0	2	3	9	10	11¼
3	7	1	8¼	1	26	1	0	0	17	0	3¾	22	45	16	8	2	5	10	11	5½
3	6	1	8¼	1	25	0	11¾	0	16	0	3¼	23	47	18	4	2	7	11	11	11¾
3	5	1	8	1	24	0	11¼	0	15	0	3¼	24	50	0	0	2	10	0	12	6
3	4	1	7¾	1	23	0	11¼	0	14	0	3	25	52	1	8	2	12	1	13	0¼
3	3	1	7½	1	22	0	11	0	13	0	2¾	26	54	3	4	2	14	2	13	6½
3	2	1	7¼	1	21	0	10¾	0	12	0	2¾	27	56	5	0	2	16	3	14	0¾
3	1	1	7	1	20	0	10¼	0	11	0	2¼	28	58	6	8	2	18	4	14	7
3	0	1	6¾	1	19	0	10¼	0	10	0	2¼	29	60	8	4	3	0	5	15	1¼
2	27	1	6½	1	18	0	10¼	0	9	0	2	30	62	10	0	3	2	6	15	7½
2	26	1	6¼	1	17	0	10	0	8	0	1¾	31	64	11	8	3	4	7	16	1¾
2	25	1	6	1	16	0	9¾	0	7	0	1¾	32	66	13	4	3	6	8	16	8
2	24	1	6	1	15	0	9¾	0	6	0	1¼	33	68	15	0	3	8	9	17	2¼
2	23	1	5¾	1	14	0	9¼	0	5	0	1	34	70	16	8	3	10	10	17	8¼
2	22	1	5¼	1	13	0	9¼	0	4	0	0¾	35	72	18	4	3	12	11	18	2¾
2	21	1	5½	1	12	0	9	0	3	0	0¼	36	75	0	0	3	15	0	18	9
2	20	1	5	1	11	0	8¾	0	2	0	0¼	37	77	1	8	3	17	1	19	3¼
2	19	1	5	1	10	0	8¼	0	1			37	79	3	4	3	19	2	19	9¾

Note—1¼ lb. to a farthing.

£2 3s. 4d. per ton, 2s. 2d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£2 3s. 4d. per ton.			2s. 2d. per cwt. bush, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 6¼d.		
qr. lb.	s.	d.	qr. lb.	s.	d.	qr. lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3 27	2	1⅞	2 18	1	5½	1 9	0	8⅛	2	4	6	8	0	4	4	0	1	1
3 26	2	1⅝	2 17	1	5	1 8	0	8¼	3	6	10	0	0	6	6	0	1	7½
3 25	2	1½	2 16	1	4⅝	1 7	0	8	4	8	13	4	0	8	8	0	2	2
3 24	2	1	2 15	1	4½	1 6	0	8	5	10	16	8	0	10	10	0	2	8½
3 23	2	0⅞	2 14	1	4⅛	1 5	0	7⅞	6	13	0	0	0	13	0	0	3	3
3 22	2	0⅝	2 13	1	4	1 4	0	7½	7	15	3	4	0	15	2	0	3	9½
3 21	2	0¼	2 12	1	3⅞	1 3	0	7⅛	8	17	6	8	0	17	4	0	4	4
3 20	2	0	2 11	1	3½	1 2	0	7	9	19	10	0	0	19	6	0	4	10½
3 19	1	11⅞	2 10	1	3¼	1 1	0	6⅞	10	21	13	4	1	1	8	0	5	5
3 18	1	11⅝	2 9	1	3	1 0	0	6½	11	23	16	8	1	3	10	0	5	11½
3 17	1	11¼	2 8	1	3	0 27	0	6¼	12	26	0	0	1	6	0	0	6	6
3 16	1	11⅛	2 7	1	2⅞	0 26	0	6	13	28	3	4	1	8	2	0	7	0½
3 15	1	11	2 6	1	2⅝	0 25	0	6	14	30	6	8	1	10	4	0	7	7
3 14	1	10⅞	2 5	1	2¼	0 24	0	5⅞	15	32	10	0	1	12	6	0	8	1⅛
3 13	1	10⅝	2 4	1	2	0 23	0	5½	16	34	13	4	1	14	8	0	8	8
3 12	1	10¼	2 3	1	1⅞	0 22	0	5¼	17	36	16	8	1	16	10	0	9	2⅛
3 11	1	10	2 2	1	1⅝	0 21	0	5	18	39	0	0	1	19	0	0	9	9
3 10	1	9⅞	2 1	1	1¼	0 20	0	4⅞	19	41	3	4	2	1	2	0	10	3⅛
3 9	1	9⅛	2 0	1	1	0 19	0	4⅛	20	43	6	8	2	3	4	0	10	10
3 8	1	9¼	1 27	1	0⅞	0 18	0	4¼	21	45	10	0	2	5	6	0	11	4⅛
3 7	1	9	1 26	1	0⅛	0 17	0	4	22	47	13	4	2	7	8	0	11	11
3 6	1	9	1 25	1	0¼	0 16	0	3⅞	23	49	16	8	2	9	10	0	12	5⅛
3 5	1	8⅞	1 24	1	0	0 15	0	3½	24	52	0	0	2	12	0	0	13	0
3 4	1	8⅛	1 23	0	11⅞	0 14	0	3¼	25	54	3	4	2	14	2	0	13	6⅛
3 3	1	8¼	1 22	0	11¼	0 13	0	3	26	56	6	8	2	16	4	0	14	1
3 2	1	8	1 21	0	11⅛	0 12	0	2⅞	27	58	10	0	2	18	6	0	14	7⅛
3 1	1	7⅞	1 20	0	11¼	0 11	0	2½	28	60	13	4	3	0	8	0	15	2
3 0	1	7⅛	1 19	0	11	0 10	0	2¼	29	62	16	8	3	2	10	0	15	8⅛
2 27	1	7¼	1 18	0	10⅞	0 9	0	2	30	65	0	0	3	5	0	0	16	3
2 26	1	7	1 17	0	10⅛	0 8	0	1⅞	31	67	3	4	3	7	2	0	16	9⅛
2 25	1	6⅞	1 16	0	10¼	0 7	0	1⅛	32	69	6	8	3	9	4	0	17	4
2 24	1	6⅛	1 15	0	10	0 6	0	1¼	33	71	10	0	3	11	6	0	17	10⅛
2 23	1	6¼	1 14	0	9⅞	0 5	0	1	34	73	13	4	3	13	8	0	18	5
2 22	1	6	1 13	0	9¼	0 4	0	0⅞	35	75	16	8	3	15	10	0	18	11½
2 21	1	6	1 12	0	9¼	0 3	0	0½	36	78	0	0	3	18	0	0	19	6
2 20	1	5⅞	1 11	0	9	0 2	0	0¼	37	80	3	4	4	0	2	1	0	0½
2 19	1	5½	1 10	0	8⅞	0 1			38	82	6	8	4	2	4	1	0	7

Note—$1\frac{1}{13}$ lb. to a farthing.

£2 5s. per ton, 2s. 3d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£2 5s. per ton.			2s. 3d. per cwt., bush., day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 6¾d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	2¾	2	18	1	5¾	1	9	0	9	2	4	10	0	0	4	6	0	1	1½
3	26	2	2½	2	17	1	5½	1	8	0	8¾	3	6	15	0	0	6	9	0	1	8¼
3	25	2	2¼	2	16	1	5¼	1	7	0	8¼	4	9	0	0	0	9	0	0	2	3
3	24	2	2	2	15	1	5¼	1	6	0	8¼	5	11	5	0	0	11	3	0	2	9¾
3	23	2	1¾	2	14	1	5	1	5	0	8	6	13	10	0	0	13	6	0	3	4½
3	22	2	1½	2	13	1	4¾	1	4	0	7¾	7	15	15	0	0	15	9	0	3	11¼
3	21	2	1¼	2	12	1	4½	1	3	0	7½	8	18	0	0	0	18	0	0	4	6
3	20	2	1	2	11	1	4¼	1	2	0	7¼	9	20	5	0	1	0	3	0	5	0¾
3	19	2	0¾	2	10	1	4	1	1	0	7	10	22	10	0	1	2	6	0	5	7½
3	18	2	0½	2	9	1	3¾	1	0	0	6¾	11	24	15	0	1	4	9	0	6	2¼
3	17	2	0¼	2	8	1	3½	0	27	0	6¾	12	27	0	0	1	7	0	0	6	9
3	16	2	0	2	7	1	3¼	0	26	0	6¼	13	29	5	0	1	9	3	0	7	3¾
3	15	2	0	2	6	1	3	0	25	0	6	14	31	10	0	1	11	6	0	7	10½
3	14	1	11¾	2	5	1	2¾	0	24	0	5¾	15	33	15	0	1	13	9	0	8	5¼
3	13	1	11½	2	4	1	2½	0	23	0	5½	16	36	0	0	1	16	0	0	9	0
3	12	1	11¼	2	3	1	2¼	0	22	0	5¼	17	38	5	0	1	18	3	0	9	6¾
3	11	1	11	2	2	1	2	0	21	0	5	18	40	10	0	2	0	6	0	10	1½
3	10	1	10¾	2	1	1	1¾	0	20	0	4¾	19	42	15	0	2	2	9	0	10	8¼
3	9	1	10½	2	0	1	1½	0	19	0	4½	20	45	0	0	2	5	0	0	11	3
3	8	1	10¼	1	27	1	1¼	0	18	0	4¼	21	47	5	0	2	7	3	0	11	9¾
3	7	1	10	1	26	1	1	0	17	0	4	22	49	10	0	2	9	6	0	12	4½
3	6	1	9¾	1	25	1	0¾	0	16	0	3¾	23	51	15	0	2	11	9	0	12	11¼
3	5	1	9½	1	24	1	0½	0	15	0	3½	24	54	0	0	2	14	0	0	13	6
3	4	1	9¼	1	23	1	0¼	0	14	0	3¼	25	56	5	0	2	16	3	0	14	0¾
3	3	1	9	1	22	1	0	0	13	0	3¼	26	58	10	0	2	18	6	0	14	7½
3	2	1	8¾	1	21	0	11¾	0	12	0	3	27	60	15	0	3	0	9	0	15	2¼
3	1	1	8½	1	20	0	11½	0	11	0	2¾	28	63	0	0	3	3	0	0	15	9
3	0	1	8¼	1	19	0	11¼	0	10	0	2¾	29	65	5	0	3	5	3	0	16	3¾
2	27	1	8	1	18	0	11	0	9	0	2¼	30	67	10	0	3	7	6	0	16	10½
2	26	1	7¾	1	17	0	11	0	8	0	2	31	69	15	0	3	9	9	0	17	5¼
2	25	1	7½	1	16	0	10¾	0	7	0	1¾	32	72	0	0	3	12	0	0	18	0
2	24	1	7¼	1	15	0	10½	0	6	0	1¾	33	74	5	0	3	14	3	0	18	6¾
2	23	1	7	1	14	0	10¼	0	5	0	1¼	34	76	10	0	3	16	6	0	19	1½
2	22	1	6¾	1	13	0	10	0	4	0	1	35	78	15	0	3	18	9	0	19	8¼
2	21	1	6½	1	12	0	9¾	0	3	0	0¾	36	81	0	0	4	1	0	1	0	3
2	20	1	6¼	1	11	0	9½	0	2	0	0¾	37	83	5	0	4	3	3	1	0	9¾
2	19	1	6	1	10	0	9¼	0	1	0	0¼	38	85	10	0	4	5	6	1	1	4½

Note—$1\frac{1}{10}$ lb. nearly to a farthing.

£1 16s. 8d. per ton, 1s. 10d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£1 16s. 8d. per ton.			1s. 10d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 5¼d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	s.	d.
3	27	1	9¾	2	18	1	2½	1 9	0 7½	2	3	13	4	0	3	8	0	11
3	26	1	9½	2	17	1	2¼	1 8	0 7¼	3	5	10	0	0	5	6	1	4½
3	25	1	9¼	2	16	1	2	1 7	0 7	4	7	6	8	0	7	4	1	10
3	24	1	9	2	15	1	2	1 6	0 6¾	5	9	3	4	0	9	2	2	3½
3	23	1	9	2	14	1	1¾	1 5	0 6½	6	11	0	0	0	11	0	2	9
3	22	1	8¾	2	13	1	1½	1 4	0 6¼	7	12	16	8	0	12	10	3	2½
3	21	1	8½	2	12	1	1¼	1 3	0 6	8	14	13	4	0	14	8	3	8
3	20	1	8¼	2	11	1	1	1 2	0 6	9	16	10	0	0	16	6	4	1¼
3	19	1	8	2	10	1	1	1 1	0 5¾	10	18	6	8	0	18	4	4	7
3	18	1	8	2	9	1	1	0 0	0 5¼	11	20	3	4	1	0	2	5	0¼
3	17	1	8	2	8	1	0¾	0 27	0 5¼	12	22	0	0	1	2	0	5	6
3	16	1	7¾	2	7	1	0½	0 26	0 5¼	13	23	16	8	1	3	10	5	11¼
3	15	1	7½	2	6	1	0¼	0 25	0 5	14	25	13	4	1	5	8	6	5
3	14	1	7¼	2	5	1	0¼	0 24	0 4¾	15	27	10	0	1	7	6	6	10½
3	13	1	7	2	4	1	0	0 23	0 4½	16	29	6	8	1	9	4	7	4
3	12	1	7	2	3	0	11¾	0 22	0 4¼	17	31	3	4	1	11	2	7	9½
3	11	1	6¾	2	2	0	11½	0 21	0 4¼	18	33	0	0	1	13	0	8	3
3	10	1	6½	2	1	0	11¼	0 20	0 4	19	34	16	8	1	14	10	8	8½
3	9	1	6¼	2	0	0	11	0 19	0 4	20	36	13	4	1	16	8	9	2
3	8	1	6¼	1	27	0	10¾	0 18	0 3¾	21	38	10	0	1	18	6	9	7½
3	7	1	6	1	26	0	10¾	0 17	0 3½	22	40	6	8	2	0	4	10	1
3	6	1	5¾	1	25	0	10¼	0 16	0 3¼	23	42	3	4	2	2	2	10	6¼
3	5	1	5½	1	24	0	10¼	0 15	0 3	24	44	0	0	2	4	0	11	0
3	4	1	5¼	1	23	0	10¼	0 14	0 2¾	25	45	16	8	2	5	10	11	5½
3	3	1	5¼	1	22	0	10	0 13	0 2¼	26	47	13	4	2	7	8	11	11
3	2	1	5	1	21	0	9¾	0 12	0 2¼	27	49	10	0	2	9	6	12	4½
3	1	1	4¾	1	20	0	9½	0 11	0 2¼	28	51	6	8	2	11	4	12	10
3	0	1	4¾	1	19	0	9½	0 10	0 2	29	53	3	4	2	13	2	13	3½
3	27	1	4½	1	18	0	9¼	0 9	0 1¾	30	55	0	0	2	15	0	13	9
2	26	1	4¼	1	17	0	9	0 8	0 1¾	31	56	16	8	2	16	10	14	2½
2	25	1	4	1	16	0	8¾	0 7	0 1¼	32	58	13	4	2	18	8	14	8
2	24	1	3¾	1	15	0	8½	0 6	0 1¼	33	60	10	0	3	0	6	15	1¼
2	23	1	3½	1	14	0	8¼	0 5	0 1	34	62	6	8	3	2	4	15	7
2	22	1	3¼	1	13	0	8	0 4	0 0¾	35	64	3	4	3	4	2	16	0¼
2	21	1	3¼	1	12	0	8	0 3	0 0¼	36	66	0	0	3	6	0	16	6
2	20	1	3	1	11	0	7¾	0 2	0 0¼	37	67	16	8	3	7	10	16	11¼
2	19	1	2¾	1	10	0	7½	0 1		38	69	13	4	3	9	8	17	5

Note—1¼ lb. to a farthing.

£1 18s. 4d. per ton, 1s. 11d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£1 18s. 4d. per ton.			1s. 11d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 5¼d.	
qr.	lb.	s.	d.	qr	lb.	s.	d.	qr.	lb. s. d.				£	s.	d.	s.	d.
3	27	1	10⅝	2	18	1	3½	1	9 0 7½	2	3	16	8	0	3	10	0 11¼
3	26	1	10¼	2	17	1	3	1	8 0 7¼	3	5	15	0	0	5	9	1 5¼
3	25	1	10¼	2	16	1	3	1	7 0 7	4	7	13	4	0	7	8	1 11
3	24	1	10¼	2	15	1	2⅝	1	6 0 7	5	9	11	8	0	9	7	2 4⅝
3	23	1	10	2	14	1	2¼	1	5 0 6⅝	6	11	10	0	0	11	6	2 10¼
3	22	1	9⅝	2	13	1	2¼	1	4 0 6½	7	13	8	4	0	13	5	3 4¼
3	21	1	9⅛	2	12	1	2¼	1	3 0 6¼	8	15	6	8	0	15	4	3 10
3	20	1	9¼	2	11	1	2	1	2 0 6	9	17	5	0	0	17	3	4 3¾
3	19	1	9	2	10	1	1⅝	1	1 0 6	10	19	3	4	0	19	2	4 9¼
3	18	1	8⅝	2	9	1	1⅜	1	0 0 5⅝	11	21	1	8	1	1	1	5 3½
3	17	1	8⅛	2	8	1	1⅛	0	27 0 5½	12	23	0	0	1	3	0	5 9
3	16	1	8⅛	2	7	1	1¼	0	26 0 5⅛	13	24	18	4	1	4	11	6 2⅝
3	15	1	8¼	2	6	1	1	0	25 0 5¼	14	26	16	8	1	6	10	6 8¼
3	14	1	8	2	5	1	0⅝	0	24 0 5	15	28	15	0	1	8	9	7 2¼
3	13	1	7⅝	2	4	1	0¼	0	23 0 4⅝	16	30	13	4	1	10	8	7 8
3	12	1	7⅝	2	3	1	0¼	0	22 0 4⅝	17	32	11	8	1	12	7	8 1⅝
3	11	1	7⅛	2	2	1	0	0	21 0 4¼	18	34	10	0	1	14	6	8 7⅛
3	10	1	7¼	2	1	0	11⅝	0	20 0 4¼	19	36	8	4	1	16	5	9 1¼
3	9	1	7	2	0	0	11⅛	0	19 0 4	20	38	6	8	1	18	4	9 7
3	8	1	6⅝	1	27	0	11¼	0	18 0 3⅝	21	40	5	0	2	0	3	10 0⅝
3	7	1	6⅛	1	26	0	11¼	0	17 0 3⅛	22	42	3	4	2	2	2	10 6¼
3	6	1	6¼	1	25	0	11	0	16 0 3¼	23	44	1	8	2	4	1	11 0¼
3	5	1	6	1	24	0	10⅝	0	15 0 3	24	46	0	0	2	6	0	11 6
3	4	1	5⅝	1	23	0	10⅜	0	14 0 2⅝	25	47	18	4	2	7	11	11 11⅝
3	3	1	5⅛	1	22	0	10⅛	0	13 0 2¼	26	49	16	8	2	9	10	12 5¼
3	2	1	5⅛	1	21	0	10¼	0	12 0 2⅛	27	51	15	0	2	11	9	12 11¼
3	1	1	5⅛	1	20	0	10	0	11 0 2¼	28	53	13	4	2	13	8	13 5
3	0	1	5¼	1	19	0	9⅝	0	10 0 2	29	55	11	8	2	15	7	13 10⅝
2	27	1	5	1	18	0	9⅛	0	9 0 1⅝	30	57	10	0	2	17	6	14 4⅛
2	26	1	5	1	17	0	9¼	0	8 0 1⅝	31	59	8	4	2	19	5	14 10¼
2	25	1	4⅝	1	16	0	9	0	7 0 1⅛	32	61	6	8	3	1	4	15 4
2	24	1	4⅛	1	15	0	8⅝	0	6 0 1⅛	33	63	5	0	3	3	3	15 9⅝
2	23	1	4¼	1	14	0	8⅛	0	5 0 1	34	65	3	4	3	5	2	16 3⅛
2	22	1	4	1	13	0	8⅛	0	4 0 0⅝	35	67	1	8	3	7	1	16 9¼
2	21	1	4	1	12	0	8	0	3 0 0⅛	36	69	0	0	3	9	0	17 3
2	20	1	3⅝	1	11	0	7⅝	0	2 0 0⅛	37	70	18	4	3	10	11	17 8⅝
2	19	1	3⅛	1	10	0	7½	0	1	38	72	16	8	3	12	10	18 2⅛

Note—1¼ lb. nearly to a farthing.

£2 per ton, 2s. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£2 per ton.			2s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 6d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	1	11⅞	2	18	1	4	1	9	0	8	2	4	0	0	0	4	0	1	0
3	26	1	11¼	2	17	1	3⅞	1	8	0	7⅞	3	6	0	0	0	6	0	1	6
3	25	1	11⅛	2	16	1	3½	1	7	0	7½	4	8	0	0	0	8	0	2	0
3	24	1	11	2	15	1	3⅛	1	6	0	7⅛	5	10	0	0	0	10	0	2	6
3	23	1	11	2	14	1	3	1	5	0	7	6	12	0	0	0	12	0	3	0
3	22	1	10⅞	2	13	1	2⅞	1	4	0	7	7	14	0	0	0	14	0	3	6
3	21	1	10¼	2	12	1	2⅛	1	3	0	6⅞	8	16	0	0	0	16	0	4	0
3	20	1	10⅛	2	11	1	2¼	1	2	0	6¼	9	18	0	0	0	18	0	4	6
3	19	1	10	2	10	1	2	1	1	0	6¼	10	20	0	0	1	0	0	5	0
3	18	1	10	2	9	1	2	1	0	0	6	11	22	0	0	1	2	0	5	6
3	17	1	9⅞	2	8	1	1⅞	0	27	0	5⅞	12	24	0	0	1	4	0	6	0
3	16	1	9¼	2	7	1	1⅛	0	26	0	5¼	13	26	0	0	1	6	0	6	6
3	15	1	9⅛	2	6	1	1¼	0	25	0	5⅛	14	28	0	0	1	8	0	7	0
3	14	1	9	2	5	1	1	0	24	0	5	15	30	0	0	1	10	0	7	6
3	13	1	8⅞	2	4	1	1	0	23	0	5	16	32	0	0	1	12	0	8	0
3	12	1	8¼	2	3	1	0⅞	0	22	0	4⅞	17	34	0	0	1	14	0	8	6
3	11	1	8⅛	2	2	1	0¼	0	21	0	4¼	18	36	0	0	1	16	0	9	0
3	10	1	8	2	1	1	0⅛	0	20	0	4⅛	19	38	0	0	1	18	0	9	6
3	9	1	8	2	0	1	0	0	19	0	4	20	40	0	0	2	0	0	10	0
3	8	1	7⅞	1	27	0	11⅞	0	18	0	4	21	42	0	0	2	2	0	10	6
3	7	1	7¼	1	26	0	11¼	0	17	0	3⅞	22	44	0	0	2	4	0	11	0
3	6	1	7⅛	1	25	0	11⅛	0	16	0	3⅛	23	46	0	0	2	6	0	11	6
3	5	1	7	1	24	0	11	0	15	0	3⅛	24	48	0	0	2	8	0	12	0
3	4	1	7	1	23	0	11	0	14	0	3	25	50	0	0	2	10	0	12	6
3	3	1	6⅞	1	22	0	10⅞	0	13	0	2⅞	26	52	0	0	2	12	0	13	0
3	2	1	6¼	1	21	0	10⅛	0	12	0	2¼	27	54	0	0	2	14	0	13	6
3	1	1	6⅛	1	20	0	10¼	0	11	0	2⅛	28	56	0	0	2	16	0	14	0
3	0	1	6	1	19	0	10	0	10	0	2¼	29	58	0	0	2	18	0	14	6
2	27	1	5⅞	1	18	0	10	0	9	0	2	30	60	0	0	3	0	0	15	0
2	26	1	5¼	1	17	0	9⅞	0	8	0	1⅞	31	62	0	0	3	2	0	15	6
2	25	1	5⅛	1	16	0	9¼	0	7	0	1¼	32	64	0	0	3	4	0	16	0
2	24	1	5	1	15	0	9⅛	0	6	0	1⅛	33	66	0	0	3	6	0	16	6
2	23	1	5	1	14	0	9	0	5	0	1	34	68	0	0	3	8	0	17	0
2	22	1	4⅞	1	13	0	8⅞	0	4	0	0⅞	35	70	0	0	3	10	0	17	6
2	21	1	4¼	1	12	0	8¼	0	3	0	0⅛	36	72	0	0	3	12	0	18	0
2	20	1	4⅛	1	11	0	8⅛	0	2	0	0⅛	37	74	0	0	3	14	0	18	6
2	19	1	4	1	10	0	8	0	1			38	76	0	0	3	16	0	19	0

Note—1⅛ lb. to a farthing.

£2 1s. 8d. per ton, 2s. 1d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£2 1s. 8d. per ton.			2s. 1d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, average 6¼d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr. lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	2	0¾	2	18	1	4¾	1	9	0	8¼	2	4	3	4	0	4	2	1	0¼
3	26	2	0½	2	17	1	4½	1	8	0	8	3	6	5	0	0	6	3	1	6¾
3	25	2	0¼	2	16	1	4¼	1	7	0	8	4	8	6	8	0	8	4	2	1
3	24	2	0	2	15	1	4	1	6	0	7¾	5	10	8	4	0	10	5	2	7¼
3	23	2	0	2	14	1	4	1	5	0	7¼	6	12	10	0	0	12	6	3	1¼
3	22	1	11¾	2	13	1	3¾	1	4	0	7¼	7	14	11	8	0	14	7	3	7¾
3	21	1	11½	2	12	1	3½	1	3	0	7	8	16	13	4	0	16	8	4	2
3	20	1	11¼	2	11	1	3¼	1	2	0	6¾	9	18	15	0	0	18	9	4	8¼
3	19	1	11	2	10	1	3	1	1	0	6½	10	20	16	8	1	0	10	5	2½
3	18	1	11	2	9	1	2¾	1	0	0	6¼	11	22	18	4	1	2	11	5	8¾
3	17	1	10¾	2	8	1	2½	0	27	0	6	12	25	0	0	1	5	0	6	3
3	16	1	10½	2	7	1	2¼	0	26	0	5¾	13	27	1	8	1	7	1	6	9¼
3	15	1	10¼	2	6	1	2	0	25	0	5½	14	29	3	4	1	9	2	7	3½
3	14	1	10	2	5	1	1¾	0	24	0	5¼	15	31	5	0	1	11	3	7	9¾
3	13	1	9¾	2	4	1	1½	0	23	0	5	16	33	6	8	1	13	4	8	4
3	12	1	9½	2	3	1	1¼	0	22	0	5	17	35	8	4	1	15	5	8	10¼
3	11	1	9¼	2	2	1	1	0	21	0	4¾	18	37	10	0	1	17	6	9	4¾
3	10	1	9¼	2	1	1	0¾	0	20	0	4¼	19	39	11	8	1	19	7	9	10¾
3	9	1	9	2	0	1	0½	0	19	0	4¼	20	41	13	4	2	1	8	10	5
3	8	1	8¾	1	27	1	0¼	0	18	0	4	21	43	15	0	2	3	9	10	11¼
3	7	1	8¼	1	26	1	0	0	17	0	3¾	22	45	16	8	2	5	10	11	5¼
3	6	1	8¼	1	25	0	11¾	0	16	0	3¼	23	47	18	4	2	7	11	11	11¾
3	5	1	8	1	24	0	11½	0	15	0	3¼	24	50	0	0	2	10	0	12	6
3	4	1	7¾	1	23	0	11¼	0	14	0	3	25	52	1	8	2	12	1	13	0¼
3	3	1	7¼	1	22	0	11	0	13	0	2¾	26	54	3	4	2	14	2	13	6¼
3	2	1	7¼	1	21	0	10¾	0	12	0	2¼	27	56	5	0	2	16	3	14	0¾
3	1	1	7	1	20	0	10½	0	11	0	2¼	28	58	6	8	2	18	4	14	7
3	0	1	6¾	1	19	0	10¼	0	10	0	2¼	29	60	8	4	3	0	5	15	1¼
2	27	1	6¼	1	18	0	10¼	0	9	0	2	30	62	10	0	3	2	6	15	7¼
2	26	1	6¼	1	17	0	10	0	8	0	1¾	31	64	11	8	3	4	7	16	1¾
2	25	1	6	1	16	0	9¾	0	7	0	1¾	32	66	13	4	3	6	8	16	8
2	24	1	6	1	15	0	9¾	0	6	0	1¼	33	68	15	0	3	8	9	17	2¼
2	23	1	5¾	1	14	0	9¼	0	5	0	1	34	70	16	8	3	10	10	17	8¼
2	22	1	5¼	1	13	0	9¼	0	4	0	0¾	35	72	18	4	3	12	11	18	2¾
2	21	1	5¼	1	12	0	9	0	3	0	0¼	36	75	0	0	3	15	0	18	9
2	20	1	5	1	11	0	8¾	0	2	0	0¼	37	77	1	8	3	17	1	19	3¼
2	19	1	5	1	10	0	8¼	0	1			37	79	3	4	3	19	2	19	9¼

Note—1¼ lb. to a farthing.

£1 16s. 8d. per ton, 1s. 10d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£1 16s. 8d. per ton.			1s. 10d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 5¼d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	1	9⅝	2	18	1	2¼	1	9	0	7½	2	3	13	4	0	3	8	0	11
3	26	1	9¼	2	17	1	2¼	1	8	0	7¼	3	5	10	0	0	5	6	1	4½
3	25	1	9⅛	2	16	1	2	1	7	0	7	4	7	6	8	0	7	4	1	10
3	24	1	9	2	15	1	2	1	6	0	6⅝	5	9	3	4	0	9	2	2	3½
3	23	1	9	2	14	1	1⅞	1	5	0	6½	6	11	0	0	0	11	0	2	9
3	22	1	8⅞	2	13	1	1¾	1	4	0	6¼	7	12	16	8	0	12	10	3	2½
3	21	1	8¾	2	12	1	1½	1	3	0	6	8	14	13	4	0	14	8	3	8
3	20	1	8½	2	11	1	1¼	1	2	0	6	9	16	10	0	0	16	6	4	1½
3	19	1	8¼	2	10	1	1	1	1	0	5⅞	10	18	6	8	0	18	4	4	7
3	18	1	8	2	9	1	1	1	0	0	5½	11	20	3	4	1	0	2	5	0½
3	17	1	8	2	8	1	0⅞	0	27	0	5½	12	22	0	0	1	2	0	5	6
3	16	1	7⅞	2	7	1	0½	0	26	0	5¼	13	23	16	8	1	3	10	5	11½
3	15	1	7½	2	6	1	0¼	0	25	0	5	14	25	13	4	1	5	8	6	5
3	14	1	7¼	2	5	1	0¼	0	24	0	4⅞	15	27	10	0	1	7	6	6	10½
3	13	1	7	2	4	1	0	0	23	0	4½	16	29	6	8	1	9	4	7	4
3	12	1	7	2	3	0	11⅞	0	22	0	4½	17	31	3	4	1	11	2	7	9½
3	11	1	6⅞	2	2	0	11¼	0	21	0	4¼	18	33	0	0	1	13	0	8	3
3	10	1	6¾	2	1	0	11¼	0	20	0	4	19	34	16	8	1	14	10	8	8½
3	9	1	6½	2	0	0	11	0	19	0	4	20	36	13	4	1	16	8	9	2
3	8	1	6¼	1	27	0	10⅞	0	18	0	3⅞	21	38	10	0	1	18	6	9	7½
3	7	1	6	1	26	0	10¾	0	17	0	3½	22	40	6	8	2	0	4	10	1
3	6	1	5⅞	1	25	0	10¼	0	16	0	3¼	23	42	3	4	2	2	2	10	6¼
3	5	1	5¼	1	24	0	10¼	0	15	0	3	24	44	0	0	2	4	0	11	0
3	4	1	5¼	1	23	0	10¼	0	14	0	2⅞	25	45	16	8	2	5	10	11	5½
3	3	1	5¼	1	22	0	10	0	13	0	2½	26	47	13	4	2	7	8	11	11
3	2	1	5	1	21	0	9⅞	0	12	0	2¼	27	49	10	0	2	9	6	12	4½
3	1	1	4⅞	1	20	0	9⅛	0	11	0	2¼	28	51	6	8	2	11	4	12	10
3	0	1	4¼	1	19	0	9¼	0	10	0	2	29	53	3	4	2	13	2	13	3½
3	27	1	4¼	1	18	0	9¼	0	9	0	1⅞	30	55	0	0	2	15	0	13	9
2	26	1	4¼	1	17	0	9	0	8	0	1⅞	31	56	16	8	2	16	10	14	2½
2	25	1	4	1	16	0	8⅞	0	7	0	1½	32	58	13	4	2	18	8	14	8
2	24	1	3⅞	1	15	0	8¼	0	6	0	1¼	33	60	10	0	3	0	6	15	1½
2	23	1	3¼	1	14	0	8¼	0	5	0	1	34	62	6	8	3	2	4	15	7
2	22	1	3¼	1	13	0	8	0	4	0	0⅞	35	64	3	4	3	4	2	16	0½
2	21	1	3¼	1	12	0	8	0	3	0	0½	36	66	0	0	3	6	0	16	6
2	20	1	3	1	11	0	7⅞	0	2	0	0¼	37	67	16	8	3	7	10	16	11½
2	19	1	2⅞	1	10	0	7¼	0	1			38	69	13	4	3	9	8	17	5

Note—1¼ lb. to a farthing.

£1 18*s.* 4*d.* per ton, 1*s.* 11*d.* per cwt. Rate per qr. cwt., stone, & lb.										No.	£1 18*s.* 4*d.* per ton.			1*s.* 11*d.* per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 5¾*d.*	
qr.	lb.	s.	d.	qr	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	1	10⅜	2	18	1	3½	1	9	0	7⅛	2	3	16	8	0	3	10	0	11½
3	26	1	10¼	2	17	1	3	1	8	0	7¼	3	5	15	0	0	5	9	1	5¼
3	25	1	10¼	2	16	1	3	1	7	0	7	4	7	13	4	0	7	8	1	11
3	24	1	10¼	2	15	1	2⅞	1	6	0	7	5	9	11	8	0	9	7	2	4⅝
3	23	1	10	2	14	1	2¼	1	5	0	6⅞	6	11	10	0	0	11	6	2	10½
3	22	1	9⅞	2	13	1	2¼	1	4	0	6½	7	13	8	4	0	13	5	3	4½
3	21	1	9½	2	12	1	2¼	1	3	0	6½	8	15	6	8	0	15	4	3	10
3	20	1	9½	2	11	1	2	1	2	0	6	9	17	5	0	0	17	3	4	3⅜
3	19	1	9	2	10	1	1⅞	1	1	0	6	10	19	3	4	0	19	2	4	9½
3	18	1	8⅞	2	9	1	1⅞	1	0	0	5⅞	11	21	1	8	1	1	1	5	3¼
3	17	1	8¼	2	8	1	1¼	0	27	0	5½	12	23	0	0	1	3	0	5	9
3	16	1	8¼	2	7	1	1¼	0	26	0	5½	13	24	18	4	1	4	11	6	2⅝
3	15	1	8¼	2	6	1	1	0	25	0	5⅛	14	26	16	8	1	6	10	6	8¼
3	14	1	8	2	5	1	0⅞	0	24	0	5	15	28	15	0	1	8	9	7	2¼
3	13	1	7⅞	2	4	1	0¼	0	23	0	4⅞	16	30	13	4	1	10	8	7	8
3	12	1	7⅞	2	3	1	0¼	0	22	0	4⅝	17	32	11	8	1	12	7	8	1⅜
3	11	1	7⅛	2	2	1	0	0	21	0	4⅜	18	34	10	0	1	14	6	8	7⅛
3	10	1	7¼	2	1	0	11⅞	0	20	0	4¼	19	36	8	4	1	16	5	9	1½
3	9	1	7	2	0	0	11¼	0	19	0	4	20	38	6	8	1	18	4	9	7
3	8	1	6⅞	1	27	0	11⅛	0	18	0	3⅞	21	40	5	0	2	0	3	10	0⅝
3	7	1	6⅛	1	26	0	11¼	0	17	0	3⅛	22	42	3	4	2	2	2	10	6½
3	6	1	6¼	1	25	0	11	0	16	0	3½	23	44	1	8	2	4	1	11	0¼
3	5	1	6	1	24	0	10⅞	0	15	0	3	24	46	0	0	2	6	0	11	6
3	4	1	5⅞	1	23	0	10⅜	0	14	0	2⅞	25	47	18	4	2	7	11	11	11⅝
3	3	1	5⅜	1	22	0	10¼	0	13	0	2⅛	26	49	16	8	2	9	10	12	5⅛
3	2	1	5¼	1	21	0	10¼	0	12	0	2¼	27	51	15	0	2	11	9	12	11¼
3	1	1	5¼	1	20	0	10	0	11	0	2¼	28	53	13	4	2	13	8	13	5
3	0	1	5¼	1	19	0	9⅞	0	10	0	2	29	55	11	8	2	15	7	13	10⅝
2	27	1	5	1	18	0	9¼	0	9	0	1⅞	30	57	10	0	2	17	6	14	4⅛
2	26	1	5	1	17	0	9¼	0	8	0	1⅝	31	59	8	4	2	19	5	14	10½
2	25	1	4⅞	1	16	0	9	0	7	0	1½	32	61	6	8	3	1	4	15	4
2	24	1	4¼	1	15	0	8⅞	0	6	0	1¼	33	63	5	0	3	3	3	15	9⅝
2	23	1	4¼	1	14	0	8¼	0	5	0	1	34	65	3	4	3	5	2	16	3⅛
2	22	1	4	1	13	0	8¼	0	4	0	0⅞	35	67	1	8	3	7	1	16	9¼
2	21	1	4	1	12	0	8	0	3	0	0¼	37	69	0	0	3	9	0	17	3
2	20	1	3⅞	1	11	0	7⅞	0	2	0	0¼	37	70	18	4	3	10	11	17	8⅜
2	19	1	3¼	1	10	0	7½	0	1			38	72	16	8	3	12	10	18	2½

Note—1¼ lb. nearly to a farthing.

£2 per ton, 2s. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£2 per ton.			2s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 6d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	1	11¾	2	18	1	4	1	9	0	8	2	4	0	0	0	4	0	1	0
3	26	1	11½	2	17	1	3¾	1	8	0	7¾	3	6	0	0	0	6	0	1	6
3	25	1	11¼	2	16	1	3½	1	7	0	7½	4	8	0	0	0	8	0	2	0
3	24	1	11	2	15	1	3¼	1	6	0	7¼	5	10	0	0	0	10	0	2	6
3	23	1	11	2	14	1	3	1	5	0	7	6	12	0	0	0	12	0	3	0
3	22	1	10¾	2	13	1	2¾	1	4	0	7	7	14	0	0	0	14	0	3	6
3	21	1	10½	2	12	1	2½	1	3	0	6¾	8	16	0	0	0	16	0	4	0
3	20	1	10¼	2	11	1	2¼	1	2	0	6½	9	18	0	0	0	18	0	4	6
3	19	1	10	2	10	1	2	1	1	0	6¼	10	20	0	0	1	0	0	5	0
3	18	1	10	2	9	1	2	1	0	0	6	11	22	0	0	1	2	0	5	6
3	17	1	9¾	2	8	1	1¾	0	27	0	5¾	12	24	0	0	1	4	0	6	0
3	16	1	9½	2	7	1	1½	0	26	0	5½	13	26	0	0	1	6	0	6	6
3	15	1	9¼	2	6	1	1¼	0	25	0	5¼	14	28	0	0	1	8	0	7	0
3	14	1	9	2	5	1	1	0	24	0	5	15	30	0	0	1	10	0	7	6
3	13	1	8¾	2	4	1	1	0	23	0	5	16	32	0	0	1	12	0	8	0
3	12	1	8½	2	3	1	0¾	0	22	0	4¾	17	34	0	0	1	14	0	8	6
3	11	1	8¼	2	2	1	0½	0	21	0	4½	18	36	0	0	1	16	0	9	0
3	10	1	8	2	1	1	0¼	0	20	0	4¼	19	38	0	0	1	18	0	9	6
3	9	1	8	2	0	1	0	0	19	0	4	20	40	0	0	2	0	0	10	0
3	8	1	7¾	1	27	0	11¾	0	18	0	4	21	42	0	0	2	2	0	10	6
3	7	1	7½	1	26	0	11½	0	17	0	3¾	22	44	0	0	2	4	0	11	0
3	6	1	7¼	1	25	0	11¼	0	16	0	3½	23	46	0	0	2	6	0	11	6
3	5	1	7	1	24	0	11	0	15	0	3¼	24	48	0	0	2	8	0	12	0
3	4	1	7	1	23	0	11	0	14	0	3	25	50	0	0	2	10	0	12	6
3	3	1	6¾	1	22	0	10¾	0	13	0	2¾	26	52	0	0	2	12	0	13	0
3	2	1	6½	1	21	0	10½	0	12	0	2½	27	54	0	0	2	14	0	13	6
3	1	1	6¼	1	20	0	10¼	0	11	0	2¼	28	56	0	0	2	16	0	14	0
3	0	1	6	1	19	0	10	0	10	0	2¼	29	58	0	0	2	18	0	14	6
2	27	1	5¾	1	18	0	10	0	9	0	2	30	60	0	0	3	0	0	15	0
2	26	1	5½	1	17	0	9¾	0	8	0	1¾	31	62	0	0	3	2	0	15	6
2	25	1	5¼	1	16	0	9½	0	7	0	1½	32	64	0	0	3	4	0	16	0
2	24	1	5	1	15	0	9¼	0	6	0	1¼	33	66	0	0	3	6	0	16	6
2	23	1	5	1	14	0	9	0	5	0	1	34	68	0	0	3	8	0	17	0
2	22	1	4¾	1	13	0	8¾	0	4	0	0¾	35	70	0	0	3	10	0	17	6
2	21	1	4½	1	12	0	8½	0	3	0	0½	36	72	0	0	3	12	0	18	0
2	20	1	4¼	1	11	0	8¼	0	2	0	0¼	37	74	0	0	3	14	0	18	6
2	19	1	4	1	10	0	8	0	1			38	76	0	0	3	16	0	19	0

Note—1¼ lb. to a farthing.

£2 1s. 8d. per ton, 2s. 1d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£2 1s. 8d. per ton.			2s. 1d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 6¼d.	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	2	0¾	2	18	1	4¾	1	9	0	8¼	2	4	3	4	0	4	2	1	0¼
3	26	2	0½	2	17	1	4½	1	8	0	8	3	6	5	0	0	6	3	1	6¾
3	25	2	0¼	2	16	1	4¼	1	7	0	8	4	8	6	8	0	8	4	2	1
3	24	2	0	2	15	1	4¼	1	6	0	7¾	5	10	8	4	0	10	5	2	7½
3	23	2	0	2	14	1	4	1	5	0	7¾	6	12	10	0	0	12	6	3	1½
3	22	1	11¾	2	13	1	3¾	1	4	0	7½	7	14	11	8	0	14	7	3	7¾
3	21	1	11½	2	12	1	3½	1	3	0	7	8	16	13	4	0	16	8	4	2
3	20	1	11¼	2	11	1	3¼	1	2	0	6¾	9	18	15	0	0	18	9	4	8¼
3	19	1	11	2	10	1	3	1	1	0	6½	10	20	16	8	1	0	10	5	2½
3	18	1	11	2	9	1	2¾	1	0	0	6¼	11	22	18	4	1	2	11	5	8¾
3	17	1	10¾	2	8	1	2¼	0	27	0	6	12	25	0	0	1	5	0	6	3
3	16	1	10½	2	7	1	2¼	0	26	0	5¾	13	27	1	8	1	7	1	6	9¼
3	15	1	10¼	2	6	1	2	0	25	0	5¼	14	29	3	4	1	9	2	7	3½
3	14	1	10	2	5	1	1¾	0	24	0	5¼	15	31	5	0	1	11	3	7	9¾
3	13	1	9¾	2	4	1	1¼	0	23	0	5	16	33	6	8	1	13	4	8	4
3	12	1	9¾	2	3	1	1¼	0	22	0	5	17	35	8	4	1	15	5	8	10¼
3	11	1	9¼	2	2	1	1	0	21	0	4¾	18	37	10	0	1	17	6	9	4¼
3	10	1	9¼	2	1	1	0¾	0	20	0	4¼	19	39	11	8	1	19	7	9	10¾
3	9	1	9	2	0	1	0¼	0	19	0	4¼	20	41	13	4	2	1	8	10	5
3	8	1	8¾	1	27	1	0¼	0	18	0	4	21	43	15	0	2	3	9	10	11¼
3	7	1	8¼	1	26	1	0	0	17	0	3¾	22	45	16	8	2	5	10	11	5½
3	6	1	8¼	1	25	0	11¾	0	16	0	3¼	23	47	18	4	2	7	11	11	11¾
3	5	1	8	1	24	0	11¼	0	15	0	3¼	24	50	0	0	2	10	0	12	6
3	4	1	7¾	1	23	0	11¼	0	14	0	3	25	52	1	8	2	12	1	13	0¼
3	3	1	7¼	1	22	0	11	0	13	0	2¾	26	54	3	4	2	14	2	13	6¼
3	2	1	7¼	1	21	0	10¾	0	12	0	2¾	27	56	5	0	2	16	3	14	0¾
3	1	1	7	1	20	0	10¼	0	11	0	2¼	28	58	6	8	2	18	4	14	7
3	0	1	6¾	1	19	0	10¼	0	10	0	2¼	29	60	8	4	3	0	5	15	1¼
2	27	1	6¼	1	18	0	10¼	0	9	0	2	30	62	10	0	3	2	6	15	7¼
2	26	1	6¼	1	17	0	10	0	8	0	1¾	31	64	11	8	3	4	7	16	1¾
2	25	1	6	1	16	0	9¾	0	7	0	1¾	32	66	13	4	3	6	8	16	8
2	24	1	6	1	15	0	9¾	0	6	0	1¼	33	68	15	0	3	8	9	17	2¼
2	23	1	5¾	1	14	0	9¼	0	5	0	1	34	70	16	8	3	10	10	17	8¼
2	22	1	5¼	1	13	0	9¼	0	4	0	0¾	35	72	18	4	3	12	11	18	2¾
2	21	1	5¼	1	12	0	9	0	3	0	0¼	36	75	0	0	3	15	0	18	9
2	20	1	5	1	11	0	8¾	0	2	0	0¼	37	77	1	8	3	17	1	19	3¼
2	19	1	5	1	10	0	8¼	0	1			37	79	3	4	3	19	2	19	9¼

Note—1½ lb. to a farthing.

£2 3s. 4d. per ton, 2s. 2d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£2 3s. 4d. per ton.			2s. 2d. per cwt. bush, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 6¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	1⅝	2	18	1	5½	1	9	0	8½	2	4	6	8	0	4	4	0	1	1
3	26	2	1½	2	17	1	5	1	8	0	8¼	3	6	10	0	0	6	6	0	1	7½
3	25	2	1¼	2	16	1	4⅝	1	7	0	8	4	8	13	4	0	8	8	0	2	2
3	24	2	1	2	15	1	4¼	1	6	0	8	5	10	16	8	0	10	10	0	2	8½
3	23	2	0⅝	2	14	1	4⅛	1	5	0	7⅞	6	13	0	0	0	13	0	0	3	3
3	22	2	0¼	2	13	1	4	1	4	0	7½	7	15	3	4	0	15	2	0	3	9½
3	21	2	0¼	2	12	1	3⅝	1	3	0	7¼	8	17	6	8	0	17	4	0	4	4
3	20	2	0	2	11	1	3¼	1	2	0	7	9	19	10	0	0	19	6	0	4	10½
3	19	1	11⅝	2	10	1	3⅛	1	1	0	6⅞	10	21	13	4	1	1	8	0	5	5
3	18	1	11⅜	2	9	1	3	1	0	0	6½	11	23	16	8	1	3	10	0	5	11½
3	17	1	11¼	2	8	1	3	0	27	0	6¼	12	26	0	0	1	6	0	0	6	6
3	16	1	11⅛	2	7	1	2⅝	0	26	0	6	13	28	3	4	1	8	2	0	7	0½
3	15	1	11	2	6	1	2¼	0	25	0	6	14	30	6	8	1	10	4	0	7	7
3	14	1	10⅞	2	5	1	2¼	0	24	0	5⅞	15	32	10	0	1	12	6	0	8	1½
3	13	1	10¾	2	4	1	2	0	23	0	5½	16	34	13	4	1	14	8	0	8	8
3	12	1	10½	2	3	1	1⅝	0	22	0	5¼	17	36	16	8	1	16	10	0	9	2½
3	11	1	10	2	2	1	1½	0	21	0	5	18	39	0	0	1	19	0	0	9	9
3	10	1	9⅞	2	1	1	1¼	0	20	0	4⅞	19	41	3	4	2	1	2	0	10	3½
3	9	1	9½	2	0	1	1	0	19	0	4½	20	43	6	8	2	3	4	0	10	10
3	8	1	9¼	1	27	1	0⅝	0	18	0	4¼	21	45	10	0	2	5	6	0	11	4½
3	7	1	9	1	26	1	0¼	0	17	0	4	22	47	13	4	2	7	8	0	11	11
3	6	1	9	1	25	1	0¼	0	16	0	3⅞	23	49	16	8	2	9	10	0	12	5½
3	5	1	8⅞	1	24	1	0	0	15	0	3½	24	52	0	0	2	12	0	0	13	0
3	4	1	8¾	1	23	0	11⅞	0	14	0	3¼	25	54	3	4	2	14	2	0	13	6½
3	3	1	8¼	1	22	0	11¼	0	13	0	3	26	56	6	8	2	16	4	0	14	1
3	2	1	8	1	21	0	11⅛	0	12	0	2⅞	27	58	10	0	2	18	6	0	14	7½
3	1	1	7⅞	1	20	0	11¼	0	11	0	2¼	28	60	13	4	3	0	8	0	15	2
3	0	1	7¼	1	19	0	11	0	10	0	2¼	29	62	16	8	3	2	10	0	15	8½
2	27	1	7¼	1	18	0	10⅞	0	9	0	2	30	65	0	0	3	5	0	0	16	3
2	26	1	7	1	17	0	10⅛	0	8	0	1⅞	31	67	3	4	3	7	2	0	16	9½
2	25	1	6⅞	1	16	0	10¼	0	7	0	1¼	32	69	6	8	3	9	4	0	17	4
2	24	1	6¼	1	15	0	10	0	6	0	1¼	33	71	10	0	3	11	6	0	17	10½
2	23	1	6¼	1	14	0	9⅞	0	5	0	1	34	73	13	4	3	13	8	0	18	5
2	22	1	6	1	13	0	9¼	0	4	0	0⅞	35	75	16	8	3	15	10	0	18	11½
2	21	1	6	1	12	0	9¼	0	3	0	0¼	36	78	0	0	3	18	0	0	19	6
2	20	1	5⅞	1	11	0	9	0	2	0	0¼	37	80	3	4	4	0	2	1	0	0½
2	19	1	5½	1	10	0	8⅞	0	1			38	82	6	8	4	2	4	1	0	7

Note—$1\frac{1}{19}$ lb. to a farthing.

£2 5s. per ton, 2s. 3d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£2 5s. per ton.			2s. 3d. per cwt., bush., day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 6¾d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	2¾	2	18	1	5¾	1 9 0	9	2	4	10	0	0	4	6	0	1	1¼
3	26	2	2½	2	17	1	5½	1 8 0	8¾	3	6	15	0	0	6	9	0	1	8½
3	25	2	2¼	2	16	1	5¼	1 7 0	8¼	4	9	0	0	0	9	0	0	2	3
3	24	2	2	2	15	1	5¼	1 6 0	8¼	5	11	5	0	0	11	3	0	2	9¾
3	23	2	1¾	2	14	1	5	1 5 0	8	6	13	10	0	0	13	6	0	3	4½
3	22	2	1½	2	13	1	4¾	1 4 0	7¾	7	15	15	0	0	15	9	0	3	11¼
3	21	2	1¼	2	12	1	4½	1 3 0	7½	8	18	0	0	0	18	0	0	4	6
3	20	2	1	2	11	1	4¼	1 2 0	7¼	9	20	5	0	1	0	3	0	5	0¾
3	19	2	0¾	2	10	1	4	1 1 0	7	10	22	10	0	1	2	6	0	5	7½
3	18	2	0½	2	9	1	3¾	1 0 0	6¾	11	24	15	0	1	4	9	0	6	2¼
3	17	2	0¼	2	8	1	3½	0 27 0	6½	12	27	0	0	1	7	0	0	6	9
3	16	2	0	2	7	1	3¼	0 26 0	6¼	13	29	5	0	1	9	3	0	7	3¾
3	15	2	0	2	6	1	3	0 25 0	6	14	31	10	0	1	11	6	0	7	10½
3	14	1	11¾	2	5	1	2¾	0 24 0	5¾	15	33	15	0	1	13	9	0	8	5¼
3	13	1	11½	2	4	1	2½	0 23 0	5½	16	36	0	0	1	16	0	0	9	0
3	12	1	11¼	2	3	1	2¼	0 22 0	5¼	17	38	5	0	1	18	3	0	9	6¾
3	11	1	11	2	2	1	2	0 21 0	5	18	40	10	0	2	0	6	0	10	1½
3	10	1	10¾	2	1	1	1¾	0 20 0	4¾	19	42	15	0	2	2	9	0	10	8¼
3	9	1	10½	2	0	1	1½	0 19 0	4½	20	45	0	0	2	5	0	0	11	3
3	8	1	10¼	1	27	1	1¼	0 18 0	4¼	21	47	5	0	2	7	3	0	11	9¾
3	7	1	10	1	26	1	1	0 17 0	4	22	49	10	0	2	9	6	0	12	4½
3	6	1	9¾	1	25	1	0¾	0 16 0	3¾	23	51	15	0	2	11	9	0	12	11¼
3	5	1	9½	1	24	1	0½	0 15 0	3½	24	54	0	0	2	14	0	0	13	6
3	4	1	9¼	1	23	1	0¼	0 14 0	3¼	25	56	5	0	2	16	3	0	14	0¾
3	3	1	9	1	22	1	0	0 13 0	3	26	58	10	0	2	18	6	0	14	7½
3	2	1	8¾	1	21	0	11¾	0 12 0	3	27	60	15	0	3	0	9	0	15	2¼
3	1	1	8½	1	20	0	11½	0 11 0	2¾	28	63	0	0	3	3	0	0	15	9
3	0	1	8¼	1	19	0	11¼	0 10 0	2¼	29	65	5	0	3	5	3	0	16	3¾
2	27	1	8	1	18	0	11	0 9 0	2¼	30	67	10	0	3	7	6	0	16	10½
2	26	1	7¾	1	17	0	11	0 8 0	2	31	69	15	0	3	9	9	0	17	5¼
2	25	1	7½	1	16	0	10¾	0 7 0	1¾	32	72	0	0	3	12	0	0	18	0
2	24	1	7¼	1	15	0	10¼	0 6 0	1½	33	74	5	0	3	14	3	0	18	6¾
2	23	1	7	1	14	0	10¼	0 5 0	1¼	34	76	10	0	3	16	6	0	19	1½
2	22	1	6¾	1	13	0	10	0 4 0	1	35	78	15	0	3	18	9	0	19	8¼
2	21	1	6½	1	12	0	9¾	0 3 0	0¾	36	81	0	0	4	1	0	1	0	3
2	20	1	6¼	1	11	0	9¼	0 2 0	0½	37	83	5	0	4	3	3	1	0	9¾
2	19	1	6	1	10	0	9¼	0 1 0	0¼	38	85	10	0	4	5	6	1	1	4½

Note—1/17 lb. nearly to a farthing.

£2 6s. 8d. per ton, 2s. 4d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£2 6s. 8d. per ton.			2s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 1d.		
qr.	lb	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	3¾	2	18	1	6¼	1	9	0	9¼	2	4	13	4	0	4	8	0	1	2
3	26	2	3½	2	17	1	6¼	1	8	0	9	3	7	0	0	0	7	0	0	1	9
3	25	2	3¼	3	16	1	6	1	7	0	8¾	4	9	6	8	0	9	4	0	2	4
3	24	2	3	2	15	1	5¾	1	6	0	8½	5	11	13	4	0	11	8	0	2	11
3	23	2	2¾	2	14	1	5½	1	5	0	8¼	6	14	0	0	0	14	0	0	3	6
3	22	2	2½	2	13	1	5¼	1	4	0	8	7	16	6	8	0	16	4	0	4	1
3	21	2	2¼	2	12	1	5	1	3	0	7¾	8	18	13	4	0	18	8	0	4	8
3	20	2	2	2	11	1	4¾	1	2	0	7½	9	21	0	0	1	1	0	0	5	3
3	19	2	1¾	2	10	1	4½	1	1	0	7¼	10	23	6	8	1	3	4	0	5	10
3	18	2	1½	2	9	1	4¼	1	0	0	7	11	25	13	4	1	5	8	0	6	5
3	17	2	1¼	2	8	1	4	0	27	0	6¾	12	28	0	0	1	8	0	0	7	0
3	16	2	1	2	7	1	3¾	0	26	0	6½	13	30	6	8	1	10	4	0	7	7
3	15	2	0¾	2	6	1	3½	0	25	0	6¼	14	32	13	4	1	12	8	0	8	2
3	14	2	0½	2	5	1	3¼	0	24	0	6	15	35	0	0	1	15	0	0	8	9
3	13	2	0¼	2	4	1	3	0	23	0	5¾	16	37	6	8	1	17	4	0	9	4
3	12	2	0	2	3	1	2¾	0	22	0	5½	17	39	13	4	1	19	8	0	9	11
3	11	1	11¾	2	2	1	2½	0	21	0	5¼	18	42	0	0	2	2	0	0	10	6
3	10	1	11½	2	1	1	2¼	0	20	0	5	19	44	6	8	2	4	4	0	11	1
3	9	1	11¼	2	0	1	2	0	19	0	4¾	20	46	13	4	2	6	8	0	11	8
3	8	1	11	1	27	1	1¾	0	18	0	4½	21	49	0	0	2	9	0	0	12	3
3	7	1	10¾	1	26	1	1½	0	17	0	4¼	22	51	6	8	2	11	4	0	12	10
3	6	1	10½	1	25	1	1¼	0	16	0	4	23	53	13	4	2	13	8	0	13	5
3	5	1	10¼	1	24	1	1	0	15	0	3¾	24	56	0	0	2	16	0	0	14	0
3	4	1	10	1	23	1	0¾	0	14	0	3½	25	58	6	8	2	18	4	0	14	7
3	3	1	9¾	1	22	1	0½	0	13	0	3¼	26	60	13	4	3	0	8	0	15	2
3	2	1	9½	1	21	1	0¼	0	12	0	3	27	63	0	0	3	3	0	0	15	9
3	1	1	9¼	1	20	1	0	0	11	0	2¾	28	65	6	8	3	5	4	0	16	4
3	0	1	9	1	19	0	11¾	0	10	0	2½	29	67	13	4	3	7	8	0	16	11
2	27	1	8¾	1	18	0	11½	0	9	0	2¼	30	70	0	0	3	10	0	0	17	6
2	26	1	8½	1	17	0	11¼	0	8	0	2	31	72	6	8	3	12	4	0	18	1
2	25	1	8¼	1	16	0	11	0	7	0	1¾	32	74	13	4	3	14	8	0	18	8
2	24	1	8	1	15	0	10¾	0	6	0	1½	33	77	0	0	3	17	0	0	19	3
2	23	1	7¾	1	14	0	10½	0	5	0	1¼	34	79	6	8	3	19	4	0	19	10
2	22	1	7½	1	13	0	10¼	0	4	0	1	35	81	13	4	4	1	8	1	0	5
2	21	1	7¼	1	12	0	10	0	3	0	0¾	36	84	0	0	4	4	0	1	1	0
2	20	1	7	1	11	0	9¾	0	2	0	0½	37	86	6	8	4	6	4	1	1	7
2	19	1	6¾	1	10	0	9½	0	1	0	0¼	38	88	13	4	4	8	8	1	2	2

Note—1 lb. to a farthing.

£2 8s. 4d. per ton, 2s. 5d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£2 8s. 4d. per ton.			2s. 5d. per cwt., bushel, day, or yard.			qr. cwt., peck. ¼ day, ¼ yard, average 7¼d.		
qr.	lb.	s.	d.	qr	lb.	s.	d	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	4¾	2	18	1	7¼	1	9	0	9¼	2	4	16	8	0	4	10	0	1	2¼
3	26	2	4½	2	17	1	7¼	1	8	0	9¼	3	7	5	0	0	7	3	0	1	9¾
3	25	2	4¼	2	16	1	7	1	7	0	9	4	9	13	4	0	9	8	0	2	5
3	24	2	4	2	15	1	6¾	1	6	0	8¾	5	12	1	8	0	12	1	0	3	0¼
3	23	2	3¾	2	14	1	6¼	1	5	0	8¼	6	14	10	0	0	14	6	0	3	7¼
3	22	2	3½	2	13	1	6	1	4	0	8¼	7	16	18	4	0	16	11	0	4	2¾
3	21	2	3¼	2	12	1	5¾	1	3	0	8	8	19	6	8	0	19	4	0	4	10
3	20	2	3	2	11	1	5¼	1	2	0	7¾	9	21	15	0	1	1	9	0	5	5¼
3	19	2	2¾	2	10	1	5¼	1	1	0	7¼	10	24	3	4	1	4	2	0	6	0¼
3	18	2	2¼	2	9	1	5	1	0	0	7¼	11	26	11	8	1	6	7	0	6	7¾
3	17	2	2¼	2	8	1	4¾	0	27	0	7	12	29	0	0	1	9	0	0	7	3
3	16	2	2	2	7	1	4¼	0	26	0	6¾	13	31	8	4	1	11	5	0	7	10¼
3	15	2	1¾	2	6	1	4¼	0	25	0	6¼	14	33	16	8	1	13	10	0	8	5¼
3	14	2	1¼	2	5	1	4	0	24	0	6	15	36	5	0	1	16	3	0	9	0¾
3	13	2	1¼	2	4	1	3¾	0	23	0	5¾	16	38	13	4	1	18	8	0	9	8
3	12	2	1	2	3	1	3¼	0	22	0	5¼	17	41	1	8	2	1	1	0	10	3¼
3	11	2	0¾	2	2	1	3¼	0	21	0	5¼	18	43	10	0	2	3	6	0	10	10¾
3	10	2	0½	2	1	1	3	0	20	0	5	19	45	18	4	2	5	11	0	11	5¾
3	9	2	0¼	2	0	1	2¾	0	19	0	4¾	20	48	6	8	2	8	4	0	12	1
3	8	2	0	1	27	1	2	0	18	0	4¼	21	50	15	0	2	10	9	0	12	8¼
3	7	1	11¾	1	26	1	1¾	0	17	0	4¼	22	53	3	4	2	13	2	0	13	3¾
3	6	1	11¼	1	25	1	1¼	0	16	0	4	23	55	11	8	2	15	7	0	13	10¾
3	5	1	11¼	1	24	1	1¼	0	15	0	3¾	24	58	0	0	2	18	0	0	14	6
3	4	1	11	1	23	1	1	0	14	0	3¼	25	60	8	4	3	0	5	0	15	1¼
3	3	1	10¾	1	22	1	0¾	0	13	0	3¼	26	62	16	8	3	2	10	0	15	8¼
3	2	1	10¼	1	21	1	0¼	0	12	0	3	27	65	5	0	3	5	3	0	16	3¾
3	1	1	10¼	1	20	1	0¼	0	11	0	2¾	28	67	13	4	3	7	8	0	16	11
3	0	1	10	1	19	1	0	0	10	0	2¼	29	70	1	8	3	10	1	0	17	6¼
2	27	1	9¾	1	18	0	11¾	0	9	0	2¼	30	72	10	0	3	12	6	0	18	1¾
2	26	1	9¼	1	17	0	11¼	0	8	0	2	31	74	18	4	3	14	11	0	18	8¾
2	25	1	9¼	1	16	0	11¼	0	7	0	1¾	32	77	6	8	3	17	4	0	19	4
2	24	1	9	1	15	0	11	0	6	0	1¼	33	79	15	0	3	19	9	0	19	11¼
2	23	1	8¾	1	14	0	10¾	0	5	0	1¼	34	82	3	4	4	2	2	1	0	6¾
2	22	1	8¼	1	13	0	10¼	0	4	0	1	35	84	11	8	4	4	7	1	1	1¾
2	21	1	8¼	1	12	0	10¼	0	3	0	0¾	36	87	0	0	4	7	0	1	1	9
2	20	1	8	1	11	0	10	0	2	0	0¼	37	89	8	4	4	9	5	1	2	4¼
2	19	1	7¾	1	10	0	9¾	0	1	0	0¼	38	91	16	8	4	11	10	1	2	11¾

£2 10*s.* per ton, 2*s.* 6*d.* per cwt. Rate per qr. cwt., stone, and lb.									No.	£2 10*s.* per ton.			2*s.* 6*d.* per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 7¼*d.*		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	5⅞	2	18	1	8	1	9	0	10										
3	26	2	5½	2	17	1	7⅞	1	8	0	9⅞	2	5	0	0	0	5	0	0	1	3
3	25	2	5¼	2	16	1	7½	1	7	0	9½	3	7	10	0	0	7	6	0	1	10½
3	24	2	5	2	15	1	7¼	1	6	0	9¼	4	10	0	0	0	10	0	0	2	6
3	23	2	4⅞	2	14	1	6⅞	1	5	0	9	5	12	10	0	0	12	6	0	3	1½
3	22	2	4½	2	13	1	6½	1	4	0	8⅞	6	15	0	0	0	15	0	0	3	9
3	21	2	4¼	2	12	1	6¼	1	3	0	8½	7	17	10	0	0	17	6	0	4	4½
3	20	2	4	2	11	1	6	1	2	0	8¼	8	20	0	0	1	0	0	0	5	0
3	19	2	3⅞	2	10	1	5⅞	1	1	0	8	9	22	10	0	1	2	6	0	5	7½
3	18	2	3½	2	9	1	5½	1	0	0	7¾	10	25	0	0	1	5	0	0	6	3
3	17	2	3¼	2	8	1	5¼	0	27	0	7¼	11	27	10	0	1	7	6	0	6	10½
3	16	2	3	2	7	1	5	0	26	0	7	12	30	0	0	1	10	0	0	7	6
3	15	2	2⅞	2	6	1	4⅞	0	25	0	6¾	13	32	10	0	1	12	6	0	8	1½
3	14	2	2½	2	5	1	4½	0	24	0	6½	14	35	0	0	1	15	0	0	8	9
3	13	2	2	2	4	1	4¼	0	23	0	6¼	15	37	10	0	1	17	6	0	9	4½
3	12	2	1⅞	2	3	1	4	0	22	0	6	16	40	0	0	2	0	0	0	10	0
3	11	2	1½	2	2	1	3⅞	0	21	0	5⅞	17	42	10	0	2	2	6	0	10	7½
3	10	2	1¼	2	1	1	3½	0	20	0	5½	18	45	0	0	2	5	0	0	11	3
3	9	2	1	2	0	1	3	0	19	0	5¼	19	47	10	0	2	7	6	0	11	10½
3	8	2	0⅞	1	27	1	2⅞	0	18	0	5	20	50	0	0	2	10	0	0	12	6
3	7	2	0½	1	26	1	2½	0	17	0	4⅞	21	52	10	0	2	12	6	0	13	1½
3	6	2	0¼	1	25	1	2¼	0	16	0	4½	22	55	0	0	2	15	0	0	13	9
3	5	2	0	1	24	1	2	0	15	0	4¼	23	57	10	0	2	17	6	0	14	4½
3	4	1	11⅞	1	23	1	1⅞	0	14	0	3¾	24	60	0	0	3	0	0	0	15	0
3	3	1	11½	1	22	1	1½	0	13	0	3½	25	62	10	0	3	2	6	0	15	7½
3	2	1	11¼	1	21	1	1¼	0	12	0	3	26	65	0	0	3	5	0	0	16	3
3	1	1	11	1	20	1	1	0	11	0	2¾	27	67	10	0	3	7	6	0	16	10½
3	0	1	10½	1	19	1	0¾	0	10	0	2½	28	70	0	0	3	10	0	0	17	6
2	27	1	10¼	1	18	1	0½	0	9	0	2¼	29	72	10	0	3	12	6	0	18	1½
2	26	1	10	1	17	1	0¼	0	8	0	2	30	75	0	0	3	15	0	0	18	9
2	25	1	9⅞	1	16	1	0	0	7	0	1¾	31	77	10	0	3	17	6	0	19	4½
2	24	1	9½	1	15	0	11¾	0	6	0	1½	32	80	0	0	4	0	0	1	0	0
2	23	1	9¼	1	14	0	11½	0	5	0	1¼	33	82	10	0	4	2	6	1	0	7½
2	22	1	9	1	13	0	11	0	4	0	1	34	85	0	0	4	5	0	1	1	3
2	21	1	8¾	1	12	0	10⅞	0	3	0	0¾	35	87	10	0	4	7	6	1	1	10½
2	20	1	8½	1	11	0	10½	0	2	0	0½	36	90	0	0	4	10	0	1	2	6
2	19	1	8¼	1	10	0	10¼	0	1	0	0¼	37	92	10	0	4	12	6	1	3	1½
												38	95	0	0	4	15	0	1	3	9

£2 11s. 8d. per ton, 2s. 7d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£2 11s. 8d. per ton.			2s. 7d. per cwt., bual., day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 7¾d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	6¾	2	18	1	8¼	1	9 0 10½	2	5	3	4	0	5	2	0	1	3¼
3	26	2	6½	2	17	1	8¼	1	8 0 10	3	7	15	0	0	7	9	0	1	11¼
3	25	2	6¼	2	16	1	8	1	7 0 9¼	4	10	6	8	0	10	4	0	2	7
3	24	2	6	2	15	1	7¾	1	6 0 9¼	5	12	18	4	0	12	11	0	3	2¾
3	23	2	5¾	2	14	1	7½	1	5 0 9	6	15	10	0	0	15	6	0	3	10½
3	22	2	5½	2	13	1	7¼	1	4 0 8¾	7	18	1	8	0	18	1	0	4	6¼
3	21	2	5	2	12	1	7	1	3 0 8¼	8	20	13	4	1	0	8	0	5	2
3	20	2	4¾	2	11	1	6¾	1	2 0 8¼	9	23	5	0	1	3	3	0	5	9¾
3	19	2	4½	2	10	1	6½	1	1 0 8	10	25	16	8	1	5	10	0	6	5½
3	18	2	4¼	2	9	1	6¼	1	0 0 7¾	11	28	8	4	1	8	5	0	7	1¼
3	17	2	4	2	8	1	6	0	27 0 7¼	12	31	0	0	1	11	0	0	7	9
3	16	2	3¾	2	7	1	5¾	0	26 0 7¼	13	32	11	7	1	13	7	0	8	4¾
3	15	2	3½	2	6	1	5½	0	25 0 7	14	36	3	4	1	16	2	0	9	0½
3	14	2	3	2	5	1	5	0	24 0 6¾	15	38	15	0	1	18	9	0	9	8¼
3	13	2	2¾	2	4	1	4¾	0	23 0 6½	16	41	6	8	2	1	4	0	10	4
3	12	2	2½	2	3	1	4½	0	22 0 6¼	17	43	18	4	2	3	11	0	10	11¾
3	11	2	2¼	2	2	1	4¼	0	21 0 5¾	18	46	10	0	2	6	6	0	11	7½
3	10	2	2	2	1	1	4	0	20 0 5½	19	49	1	8	2	9	1	0	12	3¼
3	9	2	1¾	2	0	1	6¾	0	19 0 5½	20	51	13	4	2	11	8	0	12	11
3	8	2	1½	1	27	1	3¾	0	18 0 5	21	54	5	0	2	14	3	0	13	6¾
3	7	2	1	1	26	1	3	0	17 0 4¾	22	56	16	8	2	16	10	0	14	2½
3	6	2	0¾	1	25	1	2¾	0	16 0 4½	23	59	8	4	2	19	5	0	14	10¼
3	5	2	0½	1	24	1	2½	0	15 0 4	24	62	0	0	3	2	0	0	15	6
3	4	2	0¼	1	23	1	2¼	0	14 0 3¾	25	64	11	8	3	4	7	0	16	1¾
3	3	2	0	1	22	1	2	0	13 0 3½	26	67	3	4	3	7	2	0	16	9½
3	2	1	11¾	1	21	1	1¾	0	12 0 3¼	27	69	15	0	3	9	9	0	17	5¼
3	1	1	11¼	1	20	1	1½	0	11 0 3	28	72	6	8	3	12	4	0	18	1
3	0	1	11¼	1	19	1	1	0	10 0 2¾	29	74	18	4	3	14	11	0	18	8¾
2	27	1	11	1	18	1	0¾	0	9 0 2½	30	77	10	0	3	17	6	1	19	4¼
2	26	1	10¾	1	17	1	0¼	0	8 0 2¼	31	80	1	8	4	0	1	1	0	0¼
2	25	1	10¼	1	16	1	0¼	0	7 0 1¾	32	82	13	4	4	2	8	1	0	8
2	24	1	10¼	1	15	1	0	0	6 0 1½	33	85	5	0	4	5	3	1	1	3¾
2	23	1	10	1	14	0	11¾	0	5 0 1¼	34	87	16	8	4	7	10	1	1	11¼
2	22	1	9¾	1	13	0	11¼	0	4 0 1	35	90	8	4	4	10	5	1	2	7¼
2	21	1	9¼	1	12	0	11	0	3 0 0¾	36	93	0	0	4	13	0	1	3	3
2	20	1	9	1	11	0	10¾	0	2 0 0¼	37	95	11	8	4	15	7	1	3	10¾
2	19	1	8¾	1	10	0	10¼	0	1 0 0½	38	98	3	4	4	18	2	1	4	6¼

£2 13s. 4d. per ton, 2s. 8d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£2 13s. 4d. per ton.			2s. 8d. per cwt. bushel, day or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 8d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	7¾	2	18	1	9	1 9	0	10½	2	5	6	8	0	5	4	0	1	4
3	26	2	7⅜	2	17	1	8¾	1 8	0	10¼	3	8	0	0	0	8	0	0	2	0
3	25	2	7¼	2	16	1	8½	1 7	0	10	4	10	13	4	0	10	8	0	2	8
3	24	2	7	2	15	1	8¼	1 6	0	9¾	5	13	6	8	0	13	4	0	3	4
3	23	2	6¾	2	14	1	8	1 5	0	9½	6	16	0	0	0	16	0	0	4	0
3	22	2	6½	2	13	1	7¾	1 4	0	9	7	18	13	4	0	18	8	0	4	8
3	21	2	6	2	12	1	7½	1 3	0	8¾	8	21	6	8	1	1	4	0	5	4
3	20	2	5¾	2	11	1	7¼	1 2	0	8½	9	24	0	0	1	4	0	0	6	0
3	19	2	5½	2	10	1	7	1 1	0	8¼	10	26	13	4	1	6	8	0	6	8
3	18	2	5¼	2	9	1	6¾	1 0	0	8	11	29	6	8	1	9	4	0	7	4
3	17	2	4⅞	2	8	1	6½	0 27	0	7¾	12	32	0	0	1	12	0	0	8	0
3	16	2	4½	2	7	1	6	0 26	0	7½	13	34	13	4	1	14	8	0	8	8
3	15	2	4¼	2	6	1	5¾	0 25	0	7¼	14	37	6	8	1	17	4	0	9	4
3	14	2	4	2	5	1	5½	0 24	0	7	15	40	0	0	2	0	0	0	10	0
3	13	2	3⅞	2	4	1	5	0 23	0	6¾	16	42	13	4	2	2	8	0	10	8
3	12	2	3½	2	3	1	4¾	0 22	0	6½	17	45	6	8	2	5	4	0	11	4
3	11	2	3¼	2	2	1	4½	0 21	0	6	18	48	0	0	2	8	0	0	12	0
3	10	2	3	2	1	1	4¼	0 20	0	5¾	19	50	13	4	2	10	8	0	12	8
3	9	2	2⅞	2	0	1	4	0 19	0	5½	20	53	6	8	2	13	4	0	13	4
3	8	2	2½	1	27	1	3¾	0 18	0	5	21	56	0	0	2	16	0	0	14	0
3	7	2	2	1	26	1	3½	0 17	0	4¾	22	58	13	4	2	18	8	0	14	8
3	6	2	1⅞	1	25	1	3¼	0 16	0	4½	23	61	6	8	3	1	4	0	15	4
3	5	2	1½	1	24	1	3	0 15	0	4¼	24	64	0	0	3	4	0	0	16	0
3	4	2	1	1	23	1	2¾	0 14	0	4	25	66	13	4	3	6	8	0	16	8
3	3	2	0⅞	1	22	1	2½	0 13	0	3¾	26	69	6	8	3	9	4	0	17	4
3	2	2	0½	1	21	1	2	0 12	0	3½	27	72	0	0	3	12	0	0	18	0
3	1	2	0¼	1	20	1	1¾	0 11	0	3¼	28	74	13	4	3	14	8	0	18	8
3	0	2	0	1	19	1	1½	0 10	0	3	29	77	6	8	3	17	4	0	19	4
2	27	1	11¾	1	18	1	1	0 9	0	2¾	30	80	0	0	4	0	0	1	0	0
2	26	1	11½	1	17	1	0⅞	0 8	0	2½	31	82	13	4	4	2	8	1	0	8
2	25	1	11¼	1	16	1	0½	0 7	0	2	32	85	6	8	4	5	4	1	1	4
2	24	1	11	1	15	1	0¼	0 6	0	1¾	33	88	0	0	4	8	0	1	2	0
2	23	1	10⅞	1	14	1	0	0 5	0	1½	34	90	13	4	4	10	8	1	2	8
2	22	1	10½	1	13	0	11¾	0 4	0	1	35	93	6	8	4	13	4	1	3	4
2	21	1	10	1	12	0	11½	0 3	0	0¾	36	96	0	0	4	16	0	1	4	0
2	20	1	9¾	1	11	0	11¼	0 2	0	0½	37	98	13	4	4	18	8	1	4	8
2	19	1	9½	1	10	0	11	0 1	0	0¼	38	101	6	8	5	1	4	1	5	4

£2 15s. per ton, 2s. 9d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£2 15s. per ton.			2s. 9d. per cwt., bushel, day, or yard.			qr. cwt., peck. ¼ day, ¼ yard, average 8¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	8¾	2	18	1	9½	1	9	0	11	2	5	10	0	0	5	6	0	1	4¼
3	26	2	8½	2	17	1	9¼	1	8	0	10¾	3	8	5	0	0	8	3	0	2	0¾
3	25	2	8¼	2	16	1	8¾	1	7	0	10½	4	11	0	0	0	11	0	0	2	11
3	24	2	8	2	15	1	8½	1	6	0	10	5	13	15	0	0	13	9	0	3	5¼
3	23	2	7¾	2	14	1	8¼	1	5	0	9¾	6	16	10	0	0	16	6	0	4	1¾
3	22	2	7½	2	13	1	8	1	4	0	9½	7	19	5	0	0	19	3	0	4	9¾
3	21	2	7	2	12	1	7¾	1	3	0	9¼	8	22	0	0	1	2	0	0	5	6
3	20	2	6¾	2	11	1	7½	1	2	0	9	9	24	15	0	1	4	9	0	6	2¼
3	19	2	6½	2	10	1	7¼	1	1	0	8¾	10	27	10	0	1	7	6	0	6	10½
3	18	2	6	2	9	1	6¾	1	0	0	8½	11	30	5	0	1	10	3	0	7	6¾
3	17	2	5½	2	8	1	6½	0	27	0	8	12	33	0	0	1	13	0	0	8	3
3	16	2	5¼	2	7	1	6¼	0	26	0	7¾	13	35	15	0	1	15	9	0	8	11¼
3	15	2	4¾	2	6	1	6	0	25	0	7½	14	38	10	0	1	18	6	0	9	7½
3	14	2	4½	2	5	1	5¾	0	24	0	7¼	15	41	5	0	2	1	3	0	10	3¾
3	13	2	4	2	4	1	5½	0	23	0	7	16	44	0	0	2	4	0	0	11	0
3	12	2	3¾	2	3	1	5¼	0	22	0	6¾	17	46	15	0	2	6	9	0	11	8¼
3	11	2	3½	2	2	1	5	0	21	0	6½	18	49	10	0	2	9	6	0	12	4½
3	10	2	3¼	2	1	1	4¾	0	20	0	6	19	52	5	0	2	12	3	0	13	0¾
3	9	2	2¾	2	0	1	4½	0	19	0	5¾	20	55	0	0	2	15	0	0	13	9
3	8	2	2½	1	27	1	4¼	0	18	0	5½	21	57	15	0	2	17	9	0	14	5¼
3	7	2	2¼	1	26	1	4	0	17	0	5¼	22	60	10	0	3	0	6	0	15	1½
3	6	2	2	1	25	1	3½	0	16	0	5	23	63	5	0	3	3	3	0	15	9¾
3	5	2	1¾	1	24	1	3¼	0	15	0	4¼	24	66	0	0	3	6	0	0	16	6
3	4	2	1½	1	23	1	3	0	14	0	4	25	68	15	0	3	8	9	0	17	2¼
3	3	2	1¼	1	22	1	2¾	0	13	0	3¾	26	71	10	0	3	11	6	0	17	10¼
3	2	2	1	1	21	1	2¼	0	12	0	3½	27	74	5	0	3	14	3	0	18	6¾
3	1	2	0¾	1	20	1	2	0	11	0	3¼	28	77	0	0	3	17	0	0	19	3
3	0	2	0¼	1	19	1	1¾	0	10	0	3	29	79	15	0	3	19	9	0	19	11¼
2	27	2	0	1	18	1	1½	0	9	0	2¾	30	82	10	0	4	2	6	1	0	7½
2	26	1	11¾	1	17	1	1¼	0	8	0	2½	31	85	5	0	4	5	3	1	1	3¾
2	25	1	11½	1	16	1	1	0	7	0	2¼	32	88	0	0	4	8	0	1	2	0
2	24	1	11¼	1	15	1	0¾	0	6	0	2	33	90	15	0	4	10	9	1	2	8¼
2	23	1	10¾	1	14	1	0½	0	5	0	1¾	34	93	10	0	4	13	6	1	3	4½
2	22	1	10½	1	13	1	0¼	0	4	0	1½	35	96	5	0	4	16	3	1	4	0¾
2	21	1	10¼	1	12	1	0	0	3	0	1	36	99	0	0	4	19	0	1	4	9
2	20	1	10	1	11	0	11¾	0	2	0	0¾	37	101	15	0	5	1	9	1	5	5¼
2	19	1	9¾	1	10	0	11½	0	1	0	0¼	38	104	10	0	5	4	6	1	6	1½

£2 16s. 8d. per ton, 2s. 10d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£2 16s. 8d. per ton.			2s. 10d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 8½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	9⅜	2	18	1	10½	1	9	0	11⅛	2	5	13	4	0	5	8	0	1	5
3	26	2	9¼	2	17	1	10	1	8	0	11	3	8	10	0	0	8	6	0	2	1½
3	25	2	9⅛	2	16	1	9⅝	1	7	0	10⅝	4	11	6	8	0	11	4	0	2	10
3	24	2	9	2	15	1	9½	1	6	0	10½	5	14	3	4	0	14	2	0	3	6⅛
3	23	2	8⅞	2	14	1	9¼	1	5	0	10	6	17	0	0	0	17	0	0	4	3
3	22	2	8¾	2	13	1	9	1	4	0	9⅝	7	19	16	8	0	19	10	0	4	11⅛
3	21	2	8	2	12	1	8⅝	1	3	0	9⅛	8	22	13	4	1	2	8	0	5	8
3	20	2	7⅞	2	11	1	8⅛	1	2	0	9	9	25	10	0	1	5	6	0	6	4⅛
3	19	2	7¼	2	10	1	8	1	1	0	8⅝	10	28	6	8	1	8	4	0	7	1
3	18	2	7	2	9	1	7⅝	1	0	0	8⅛	11	31	3	4	1	11	2	0	7	9⅛
3	17	2	6⅞	2	8	1	7⅛	0	27	0	8¼	12	34	0	0	1	14	0	0	8	6
3	16	2	6¼	2	7	1	7	0	26	0	8	13	36	16	8	1	16	10	0	9	2⅛
3	15	2	6	2	6	1	6⅝	0	25	0	7⅝	14	39	13	4	1	19	8	0	9	11
3	14	2	5⅝	2	5	1	6⅛	0	24	0	7⅛	15	42	10	0	2	2	6	0	10	7⅛
3	13	2	5⅛	2	4	1	6⅛	0	23	0	7⅛	16	45	6	8	2	5	4	0	11	4
3	12	2	5⅛	2	3	1	5⅝	0	22	0	6⅝	17	48	3	4	2	8	2	0	12	0⅛
3	11	2	4⅝	2	2	1	5⅛	0	21	0	6⅛	18	51	0	0	2	11	0	0	12	9
3	10	2	4⅛	2	1	1	5⅛	0	20	0	6	19	53	16	8	2	13	10	0	13	5⅛
3	9	2	4⅛	2	0	1	5	0	19	0	5⅝	20	56	13	4	2	16	8	0	14	2
3	8	2	3⅝	1	27	1	4⅝	0	18	0	5⅛	21	59	10	0	2	19	6	0	14	10⅛
3	7	2	3⅛	1	26	1	4⅛	0	17	0	5⅛	22	62	6	8	3	2	4	0	15	7
3	6	2	3⅛	1	25	1	4⅛	0	16	0	5	23	65	3	4	3	5	2	0	16	3⅛
3	5	2	2⅝	1	24	1	3⅝	0	15	0	4⅛	24	68	0	0	3	8	0	0	17	0
3	4	2	2⅛	1	23	1	3⅛	0	14	0	4⅛	25	70	16	8	3	10	10	0	17	8⅛
3	3	2	2⅛	1	22	1	3⅛	0	13	0	4	26	73	13	4	3	13	8	0	18	5
3	2	2	2	1	21	1	3	0	12	0	3⅝	27	76	10	0	3	16	6	0	19	1⅛
3	1	2	1⅝	1	20	1	2⅝	0	11	0	3⅛	28	79	6	8	3	19	4	0	19	10
3	0	2	1⅛	1	19	1	2⅛	0	10	0	3¼	29	82	3	4	4	2	2	1	0	6⅛
2	27	2	1⅛	1	18	1	2	0	9	0	3	30	85	0	0	4	5	0	1	1	3
2	26	2	1	1	17	1	1⅝	0	8	0	2⅝	31	87	16	8	4	7	10	1	1	11⅛
2	25	2	0⅞	1	16	1	1⅛	0	7	0	2⅛	32	90	13	4	4	10	8	1	2	8
2	24	2	0⅛	1	15	1	1	0	6	0	2⅛	33	93	10	0	4	13	6	1	3	4⅛
2	23	2	0	1	14	1	0⅝	0	5	0	2	34	96	6	8	4	16	4	1	4	1
2	22	1	11⅛	1	13	1	0⅛	0	4	0	1⅝	35	99	3	4	4	19	2	1	4	9⅛
2	21	1	11⅛	1	12	1	0⅛	0	3	0	1	36	102	0	0	5	2	0	1	5	6
2	20	1	11	1	11	1	0	0	2	0	0⅛	37	104	16	8	5	4	10	1	6	2⅛
2	19	1	10⅞	1	10	0	11⅛	0	1	0	0⅛	38	107	13	4	5	7	8	1	6	11

£2 18s. 4d. per ton, 2s. 11d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£2 18s. 4d. per ton.			2s. 11d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 8¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	10⅝	2	18	1	11½	1	9	0	11½	2	5	16	8	0	5	10	0	1	5½
3	26	2	10¼	2	17	1	11	1	8	0	11¼	3	8	15	0	0	8	9	0	2	2¼
3	25	2	10¼	2	16	1	10⅝	1	7	0	10⅝	4	11	13	4	0	11	8	0	2	11
3	24	2	9⅝	2	15	1	10¼	1	6	0	10¼	5	14	11	8	0	14	7	0	3	7⅝
3	23	2	9¼	2	14	1	10¼	1	5	0	10	6	17	10	0	0	17	6	0	4	4¼
3	22	2	9¼	2	13	1	10	1	4	0	9¾	7	20	8	4	1	0	5	0	5	1¼
3	21	2	9	2	12	1	9⅝	1	3	0	9⅛	8	23	6	8	1	3	4	0	5	10
3	20	2	8⅛	2	11	1	9⅛	1	2	0	9¼	9	26	5	0	1	6	3	0	6	6⅛
3	19	2	8¼	2	10	1	9	1	1	0	9	10	29	3	4	1	9	2	0	7	3¼
3	18	2	8	2	9	1	8⅝	1	0	0	8⅝	11	32	1	8	1	12	1	0	8	0¼
3	17	2	7⅝	2	8	1	8⅛	0	27	0	8¼	12	35	0	0	1	15	0	0	8	9
3	16	2	7¼	2	7	1	8	0	26	0	8	13	37	18	4	1	17	11	0	9	5⅛
3	15	2	7	2	6	1	7⅝	0	25	0	7⅝	14	40	16	8	2	0	10	0	10	2¼
3	14	2	6⅝	2	5	1	7⅛	0	24	0	7⅛	15	43	15	0	2	3	9	0	10	11¼
3	13	2	6¼	2	4	1	7¼	0	23	0	7¼	16	46	13	4	2	6	8	0	11	8
3	12	2	6¼	2	3	1	6⅝	0	22	0	6⅝	17	49	11	8	2	9	7	0	12	4⅝
3	11	2	6	2	2	1	6⅛	0	21	0	6¼	18	52	10	0	2	12	6	0	13	1½
3	10	2	5⅛	2	1	1	6¼	0	20	0	6	19	55	8	4	2	15	5	0	13	10¼
3	9	2	5⅛	2	0	1	5⅛	0	19	0	5⅝	20	58	6	8	2	18	4	0	14	7
3	8	2	5	1	27	1	4⅝	0	18	0	5⅛	21	61	5	0	3	1	3	0	15	3⅝
3	7	2	4⅝	1	26	1	4⅛	0	17	0	5¼	22	64	3	4	3	4	2	0	16	0¼
3	6	2	4¼	1	25	1	4¼	0	16	0	5	23	67	1	8	3	7	1	0	16	9¼
3	5	2	4	1	24	1	3⅝	0	15	0	4⅝	24	70	0	0	3	10	0	0	17	6
3	4	2	3⅛	1	23	1	3⅛	0	14	0	4¼	25	72	18	4	3	12	11	0	18	2⅝
3	3	2	3⅛	1	22	1	3⅛	0	13	0	4	26	75	16	8	3	15	10	0	18	11⅛
3	2	2	3	1	21	1	3	0	12	0	3⅝	27	78	15	0	3	18	9	0	19	8¼
3	1	2	2⅝	1	20	1	2⅛	0	11	0	3⅛	28	81	13	4	4	1	8	1	0	5
3	0	2	2¼	1	19	1	2¼	0	10	0	3¼	29	84	11	8	4	4	7	1	1	1⅝
2	27	2	2	1	18	1	2	0	9	0	3	30	87	10	0	4	7	6	1	1	10⅛
2	26	2	1⅝	1	17	1	1⅝	0	8	0	2⅝	31	90	8	4	4	10	5	1	2	7⅛
2	25	2	1⅛	1	16	1	1⅛	0	7	0	2⅛	32	93	6	8	4	13	4	1	3	4
2	24	2	1¼	1	15	1	1	0	6	0	2¼	33	96	5	0	4	16	3	1	4	0⅝
2	23	2	1	1	14	1	0⅝	0	5	0	2	34	99	3	4	4	19	2	1	4	9⅛
2	22	2	0⅝	1	13	1	0⅛	0	4	0	1⅝	35	102	1	8	5	2	1	1	5	6¼
2	21	2	0¼	1	12	1	0¼	0	3	0	1	36	105	0	0	5	5	0	1	6	3
2	20	2	0	1	11	1	0	0	2	0	0⅛	37	107	18	4	5	7	11	1	6	11⅝
2	19	1	11⅛	1	10	0	11⅛	0	1	0	0⅛	38	110	16	8	5	10	10	1	7	8⅛

Note—Average one farthing and a quarter farthing per lb.

£3 16s. 8d. per ton, 3s. 10d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£3 16s. 8d. per ton.			3s. 10d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 11½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.		s.	d.
3	27	3	9¾	2	18	2	6½	1	9	1	3	2	7	13	4	0	7	8	0	1	11
3	26	3	9½	2	17	2	5¾	1	8	1	2¾	3	11	10	0	0	11	6	0	2	10½
3	25	3	9	2	16	2	5½	1	7	1	2¼	4	15	6	8	0	15	4	0	3	10
3	24	3	8½	2	15	2	5	1	6	1	2	5	19	3	4	0	19	2	0	4	9½
3	23	3	8¼	2	14	2	4½	1	5	1	1¾	6	23	0	0	1	3	0	0	5	9
3	22	3	7¾	2	13	2	4	1	4	1	1½	7	26	16	8	1	6	10	0	6	8½
3	21	3	7½	2	12	2	3½	1	3	1	0¾	8	30	13	4	1	10	8	0	7	8
3	20	3	7	2	11	2	3¼	1	2	1	0¼	9	34	10	0	1	13	6	0	8	7½
3	19	3	6¾	2	10	2	2¾	1	1	0	11¾	10	38	6	8	1	18	4	0	9	7
3	18	3	6	2	9	2	2¼	1	0	0	11¼	11	42	3	4	2	2	2	0	10	6½
3	17	3	5¾	2	8	2	1¾	0	27	0	11	12	46	0	0	2	6	0	0	11	6
3	16	3	5	2	7	2	1¼	0	26	0	10¾	13	49	16	8	2	9	10	0	12	5½
3	15	3	4¾	2	6	2	1	0	25	0	10¼	14	53	13	4	2	13	8	0	13	5
3	14	3	4	2	5	2	0¼	0	24	0	9¾	15	57	10	0	2	17	6	0	14	4½
3	13	3	3¾	2	4	2	0¼	0	23	0	9¼	16	61	6	8	3	1	4	0	15	4
3	12	3	3¼	2	3	2	0	0	22	0	8¾	17	65	3	4	3	5	2	0	16	3½
3	11	3	2¾	2	2	1	11¼	0	21	0	8¼	18	69	0	0	3	9	0	0	17	3
3	10	3	2¼	2	1	1	11¼	0	20	0	8	19	72	16	8	3	12	10	0	18	2½
3	9	3	2	2	0	1	11	0	19	0	7¾	20	76	13	4	3	16	8	0	19	2
3	8	3	1¾	1	27	1	10¾	0	18	0	7	21	80	10	0	4	0	6	1	0	1½
3	7	3	1	1	26	1	10½	0	17	0	6¾	22	84	6	8	4	4	4	1	1	1
3	6	3	0¾	1	25	1	9¾	0	16	0	6¼	23	88	3	4	4	8	2	1	2	0½
3	5	3	0	1	24	1	9¼	0	15	0	6	24	92	0	0	4	12	0	1	3	0
3	4	2	11¾	1	23	1	9	0	14	0	5¾	25	95	16	8	4	15	10	1	3	11½
3	3	2	11¼	1	22	1	8¾	0	13	0	5¼	26	99	13	4	4	19	8	1	4	11
3	2	2	11	1	21	1	8	0	12	0	5¼	27	103	10	0	5	3	6	1	5	10½
3	1	2	10¾	1	20	1	7¾	0	11	0	5	28	107	6	8	5	7	4	1	6	10
3	0	2	10¼	1	19	1	7¼	0	10	0	4¾	29	111	3	4	5	11	2	1	7	9½
2	27	2	10	1	18	1	6¾	0	9	0	4	30	115	0	0	5	15	0	1	8	9
2	26	2	9¾	1	17	1	6¼	0	8	0	3¾	31	118	16	8	5	18	10	1	9	8½
2	25	2	9	1	16	1	6	0	7	0	3¼	32	122	13	4	6	2	8	1	10	8
2	24	2	8¾	1	15	1	5¾	0	6	0	3	33	126	10	0	6	6	6	1	11	7½
2	23	2	8¼	1	14	1	5¼	0	5	0	2¾	34	130	6	8	6	10	4	1	12	7
2	22	2	8	1	13	1	4¾	0	4	0	2	35	134	3	4	6	14	2	1	13	6½
2	21	2	7¾	1	12	1	4¼	0	3	0	1	36	138	0	0	6	18	0	1	14	6
2	20	2	7	1	11	1	4	0	2	0	0¾	37	141	16	8	7	1	10	1	15	5½
2	19	2	6¾	1	10	1	3¾	0	1	0	0¼	38	145	13	4	7	5	8	1	16	5

£3 18s. 4d. per ton, 3s. 11d. per cwt. — Rate per qr. cwt., stone, & lb.											No.	£3 18s. 4d. per ton.			3s. 11d. per cwt., bushel, day, or yard.			qr. cwt., peek, ¼ day, ¼ yard, average 11¾d.		
qr.	lb.	s.	d.	qr	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	3	10¾	2	18	2	7¼	1	9	1	3¾	2	7	16	8	0	7	10	0	1	11¼
3	26	3	10¼	2	17	2	7	1	8	1	3¼	3	11	15	0	0	11	9	0	2	11½
3	25	3	10	2	16	2	6¾	1	7	1	2¾	4	15	13	4	0	15	8	0	3	11
3	24	3	9¾	2	15	2	6	1	6	1	2¼	5	19	11	8	0	19	7	0	4	10¾
3	23	3	9	2	14	2	5¾	1	5	1	1¾	6	23	10	0	1	3	6	0	5	10¼
3	22	3	8¾	2	13	2	5¼	1	4	1	1¼	7	27	8	4	1	7	5	0	6	10
3	21	3	7¾	2	12	2	5	1	3	1	0¾	8	31	6	8	1	11	4	0	7	10
3	20	3	7¼	2	11	2	4¼	1	2	1	0¼	9	35	5	0	1	15	3	0	8	9¾
3	19	3	7	2	10	2	4	1	1	1	0	10	39	3	4	1	19	2	0	9	9½
3	18	3	6½	2	9	2	3¾	1	0	0	11¾	11	43	1	8	2	3	1	0	10	9¼
3	17	3	6	2	8	2	3¼	0	27	0	11¼	12	47	0	0	2	7	0	0	11	9
3	16	3	5¾	2	7	2	3	0	26	0	11	13	50	18	4	2	10	11	0	12	8¾
3	15	3	5½	2	6	2	2¾	0	25	0	10¾	14	54	16	8	2	14	10	0	13	8½
3	14	3	5¼	2	5	2	2	0	24	0	10	15	58	15	0	2	18	9	0	14	8¼
3	13	3	4¾	2	4	2	1¼	0	23	0	9¾	16	62	13	4	3	2	8	0	15	8
3	12	3	4½	2	3	2	1	0	22	0	9¼	17	66	11	8	3	6	7	0	16	7¾
3	11	3	4	2	2	2	0¼	0	21	0	8¾	18	70	10	0	3	10	6	0	17	7½
3	10	3	3½	2	1	2	0	0	20	0	8¼	19	74	8	4	3	14	5	0	18	7¼
3	9	3	3	2	0	1	11¼	0	19	0	7¾	20	78	6	8	3	18	4	0	19	7
3	8	3	2¾	1	27	1	11	0	18	0	7¼	21	82	5	0	4	2	3	1	0	6¾
3	7	3	2½	1	26	1	10¾	0	17	0	7	22	86	3	4	4	6	2	1	1	6½
3	6	3	2	1	25	1	10¼	0	16	0	6¾	23	90	1	8	4	10	1	1	2	6¼
3	5	3	1¾	1	24	1	10	0	15	0	6¼	24	94	0	0	4	14	0	1	3	6
3	4	3	1½	1	23	1	9¾	0	14	0	5¾	25	97	18	4	4	17	11	1	4	5¾
3	3	3	0¾	1	22	1	9	0	13	0	5¼	26	101	16	8	5	1	10	1	5	5½
3	2	3	0¼	1	21	1	8¼	0	12	0	5	27	105	15	0	5	5	9	1	6	5¼
3	1	2	11¾	1	20	1	7¾	0	11	0	4¼	28	109	13	4	5	9	8	1	7	5
3	0	2	11¼	1	19	1	7¼	0	10	0	4¼	29	113	11	8	5	13	7	1	8	4¾
2	27	2	11	1	18	1	7	0	9	0	4	30	117	10	0	5	17	6	1	9	4¼
2	26	2	10¾	1	17	1	6¾	0	8	0	3¾	31	121	8	4	6	1	5	1	10	4¼
2	25	2	10¼	1	16	1	6¼	0	7	0	3¼	32	125	6	8	6	5	4	1	11	4
2	24	2	9¾	1	15	1	6	0	6	0	3	33	129	5	0	6	9	3	1	12	3¾
2	23	2	9¼	1	14	1	5¾	0	5	0	2¾	34	133	3	4	6	13	2	1	13	3½
2	22	2	9	1	13	1	5¼	0	4	0	2	35	137	1	8	6	17	1	1	14	3¼
2	21	2	8¾	1	12	1	5	0	3	0	1	36	141	0	0	7	1	0	1	15	3
2	20	2	8	1	11	1	4¼	0	2	0	0¾	37	144	18	4	7	4	11	1	16	2¾
2	19	2	7¼	1	10	1	4	0	1	0	0¼	38	148	16	8	7	8	10	1	17	2½

£3 3s. 4d. per ton, 3s. 2d. per cwt. — Rate per qr. cwt., stone, & lb.										No.	£3 3s. 4d. per ton.			3s. 2d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 9¾d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	3	1 3/8	2	18	2	1	1	9	1	0 1/2	2	6	6	8	0	6	4	0	1	7
3	26	3	1 1/2	2	17	2	0 3/4	1	8	1	0	3	9	10	0	0	9	6	0	2	4 1/2
3	25	3	1	2	16	2	0 1/4	1	7	0	11 3/4	4	12	13	4	0	12	8	0	3	2
3	24	3	0 3/4	2	15	2	0	1	6	0	11 1/2	5	15	16	8	0	15	10	0	3	11 1/2
3	23	3	0 1/2	2	14	1	11 3/4	1	5	0	11	6	19	0	0	0	19	0	0	4	9
3	22	3	0	2	13	1	11 1/2	1	4	0	10 3/4	7	22	3	4	1	2	2	0	5	6 1/2
3	21	2	11 1/2	2	12	1	11	1	3	0	10 1/2	8	25	6	8	1	5	4	0	6	4
3	20	2	11 1/4	2	11	1	10 3/4	1	2	0	10	9	28	10	0	1	8	6	0	7	1 1/2
3	19	2	10 3/4	2	10	1	10 1/2	1	1	0	9 3/4	10	31	13	4	1	11	8	0	7	11
3	18	2	10 1/2	2	9	1	10	1	0	0	9 1/2	11	34	16	8	1	14	10	0	8	8 1/2
3	17	2	10	2	8	1	9 3/4	0	27	0	9 1/4	12	38	0	0	1	18	0	0	9	6
3	16	2	9 3/4	2	7	1	9 1/2	0	26	0	8 3/4	13	41	3	4	2	1	2	0	10	3 1/2
3	15	2	9 1/2	2	6	1	9	0	25	0	8 1/2	14	44	6	8	2	4	4	0	11	1
3	14	2	9 1/4	2	5	1	8 3/4	0	24	0	8 1/4	15	47	10	0	2	7	6	0	11	10 1/2
3	13	2	9	2	4	1	8 1/2	0	23	0	7 3/4	16	50	13	4	2	10	8	0	12	8
3	12	2	8 1/2	2	3	1	8	0	22	0	7 1/2	17	53	16	8	2	13	10	0	13	5 1/2
3	11	2	8 1/2	2	2	1	7 3/4	0	21	0	7 1/4	18	57	0	0	2	17	0	0	14	3
3	10	2	7 3/4	2	1	1	7 1/2	0	20	0	6 3/4	19	60	3	4	3	0	2	0	15	0 1/2
3	9	2	7 1/2	2	0	1	7	0	19	0	6 1/2	20	63	6	8	3	3	4	0	15	10
3	8	2	7	1	27	1	6 3/4	0	18	0	6 1/4	21	66	10	0	3	6	6	0	16	7 1/2
3	7	2	6 3/4	1	26	1	6 1/2	0	17	0	5 3/4	22	69	13	4	3	9	8	0	17	5
3	6	2	6 1/2	1	25	1	6	0	16	0	5 1/4	23	72	16	8	3	12	10	0	18	2 1/2
3	5	2	6	1	24	1	5 3/4	0	15	0	5 1/4	24	76	0	0	3	16	0	0	19	0
3	4	2	5 3/4	1	23	1	5 1/2	0	14	0	4 3/4	25	79	3	4	3	19	2	0	19	9 1/2
3	3	2	5 1/2	1	22	1	5	0	13	0	4 1/2	26	82	6	8	4	2	4	1	0	[illegible]
3	2	2	5 1/4	1	21	1	4 3/4	0	12	0	4 1/4	27	85	10	0	4	5	6	1	1	6 1/2
3	1	2	5	1	20	1	4 1/2	0	11	0	3 3/4	28	88	13	4	4	8	8	1	2	2
3	0	2	4 3/4	1	19	1	4	0	10	0	3 1/2	29	91	16	8	4	11	10	1	2	11 1/2
2	27	2	4	1	18	1	3 3/4	0	9	0	3 1/4	30	95	0	0	4	15	0	1	3	9
2	26	2	3 3/4	1	17	1	3 1/2	0	8	0	3	31	98	3	4	4	18	2	1	4	6 1/2
2	25	2	3 1/2	1	16	1	3	0	7	0	2 3/4	32	101	6	8	5	1	4	1	5	4
2	24	2	3	1	15	1	2 3/4	0	6	0	2 1/4	33	104	10	0	5	4	6	1	6	1 1/2
2	23	2	2 3/4	1	14	1	2 1/2	0	5	0	2	34	107	13	4	5	7	8	1	6	11
2	22	2	2 1/2	1	13	1	1 3/4	0	4	0	1 1/2	35	110	16	8	5	10	10	1	7	8 1/2
2	21	2	2	1	12	1	1 1/2	0	3	0	1	36	114	0	0	5	14	0	1	8	6
2	20	2	1 3/4	1	11	1	1	0	2	0	0 1/2	37	117	3	4	5	17	2	1	9	3 1/2
2	19	2	1 1/2	1	10	1	0 3/4	0	1	0	0 1/4	38	120	6	8	6	0	4	1	10	1

£3 5s. per ton, 3s. 3d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£3 5s. per ton.			3s. 3d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 9¾d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	3	2¾	2	18	2	1¾	1	9	1	1¼	2	6	10	0	0	6	6	0	1	7¼
3	26	3	2½	2	17	2	1½	1	8	1	1	3	9	15	0	0	9	9	0	2	5¾
3	25	3	2	2	16	2	1	1	7	1	0¾	4	13	0	0	0	13	0	0	3	3
3	24	3	1¾	2	15	2	0¾	1	6	1	0	5	16	5	0	0	16	3	0	4	0¾
3	23	3	1½	2	14	2	0½	1	5	0	11¾	6	19	10	0	0	19	6	0	4	10¼
3	22	3	1	2	13	2	0	1	4	0	11½	7	22	15	0	1	2	9	0	5	8¼
3	21	3	0¾	2	12	1	11¾	1	3	0	11	8	26	0	0	1	6	0	0	6	6
3	20	3	0½	2	11	1	11½	1	2	0	10¼	9	29	5	0	1	9	3	0	7	3¾
3	19	2	11¾	2	10	1	11	1	1	0	10¼	10	32	10	0	1	12	6	0	8	1¼
3	18	2	11½	2	9	1	10¾	1	0	0	9¾	11	35	15	0	1	15	9	0	8	11¼
3	17	2	11	2	8	1	10½	0	27	0	9½	12	39	0	0	1	19	0	0	9	9
3	16	2	10¾	2	7	1	10	0	26	0	9	13	42	5	0	2	2	3	0	10	6¾
3	15	2	10½	2	6	1	9¾	0	25	0	8¾	14	45	10	0	2	5	6	0	11	4¼
3	14	2	10	2	5	1	9½	0	24	0	8½	15	48	15	0	2	8	9	0	12	2¼
3	13	2	9¾	2	4	1	9	0	23	0	8	16	52	0	0	2	12	0	0	13	0
3	12	2	9½	2	3	1	8¾	0	22	0	7¾	17	55	5	0	2	15	3	0	13	9¾
3	11	2	9	2	2	1	8½	0	21	0	7½	18	58	10	0	2	18	6	0	14	7¾
3	10	2	8¾	2	1	1	8	0	20	0	7	19	61	15	0	3	1	9	0	15	5¼
3	9	2	8½	2	0	1	7½	0	19	0	6¾	20	65	0	0	3	5	0	0	16	3
3	8	2	8	1	27	1	7	0	18	0	6¼	21	68	5	0	3	8	3	0	17	0¾
3	7	2	7¾	1	26	1	6¾	0	17	0	6	22	71	10	0	3	11	6	0	17	10¾
3	6	2	7½	1	25	1	6½	0	16	0	5¾	23	74	15	0	3	14	9	0	18	8¼
3	5	2	7	1	24	1	6	0	15	0	5¼	24	78	0	0	3	18	0	0	19	6
3	4	2	6¾	1	23	1	5¾	0	14	0	4¾	25	81	5	0	4	1	3	1	0	3¾
3	3	2	6½	1	22	1	5½	0	13	0	4½	26	84	10	0	4	4	6	1	1	1¼
3	2	2	6	1	21	1	5	0	12	0	4¼	27	87	15	0	4	7	9	1	1	11¼
3	1	2	5¾	1	20	1	4¾	0	11	0	4	28	91	0	0	4	11	0	1	2	9
3	0	2	5½	1	19	1	4½	0	10	0	3¾	29	94	5	0	4	14	3	1	3	6¾
2	27	2	5	1	18	1	4	0	9	0	3¼	30	97	10	0	4	17	6	1	4	4¼
2	26	2	4¾	1	17	1	3¾	0	8	0	3	31	100	15	0	5	0	9	1	5	2¼
2	25	2	4½	1	16	1	3½	0	7	0	2¾	32	104	0	0	5	4	0	1	6	0
2	24	2	3¾	1	15	1	3	0	6	0	2¼	33	107	5	0	5	7	3	1	6	9¾
2	23	2	3½	1	14	1	2¾	0	5	0	2	34	110	10	0	5	10	6	1	7	7¼
2	22	2	3	1	13	1	2½	0	4	0	1½	35	113	15	0	5	13	9	1	8	5¼
2	21	2	2¾	1	12	1	2	0	3	0	1	36	117	0	0	5	17	0	1	9	3
2	20	2	2½	1	11	1	1¾	0	2	0	0¾	37	120	5	0	6	0	3	1	10	0¾
2	19	2	2	1	10	1	1½	0	1	0	0¼	38	123	10	0	6	3	6	1	10	10¾

£3 6s. 8d. per ton, 3s. 4d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£3 6s. 8d. per ton.			3s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 10d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	3	3 3/4	2	18	2	2 1/4	1	9	1	1 1/2	2	6	13	4	0	6	8	0	1	8
3	26	3	3 1/2	2	17	2	2	1	8	1	1	3	10	0	0	0	10	0	0	2	6
3	25	3	3	2	16	2	1 3/4	1	7	1	0 3/4	4	13	6	8	0	13	4	0	3	4
3	24	3	2 3/4	2	15	2	1 1/2	1	6	1	0 1/2	5	16	13	4	0	16	8	0	4	2
3	23	3	2 1/2	2	14	2	1	1	5	1	0	6	20	0	0	1	0	0	0	5	0
3	22	3	2	2	13	2	0 3/4	1	4	0	11 3/4	7	23	6	8	1	3	4	0	5	10
3	21	3	1 3/4	2	12	2	0 1/4	1	3	0	11 1/4	8	26	13	4	1	6	8	0	6	8
3	20	3	1 1/2	2	11	2	0	1	2	0	11	9	30	0	0	1	10	0	0	7	6
3	19	3	0 3/4	2	10	1	11 1/2	1	1	0	10 1/2	10	33	6	8	1	13	4	0	8	4
3	18	3	0 1/2	2	9	1	11 1/4	1	0	0	10	11	36	13	4	1	16	8	0	9	2
3	17	3	0	2	8	1	10 3/4	0	27	0	9 3/4	12	40	0	0	2	0	0	0	10	0
3	16	2	11 3/4	2	7	1	10 1/2	0	26	0	9 1/2	13	43	6	8	2	3	4	0	10	10
3	15	2	11 1/2	2	6	1	10	0	25	0	9	14	46	13	4	2	6	8	0	11	8
3	14	2	11	2	5	1	9 3/4	0	24	0	8 3/4	15	50	0	0	2	10	0	0	12	6
3	13	2	10 3/4	2	4	1	9 1/4	0	23	0	8 1/4	16	53	6	8	2	13	4	0	13	4
3	12	2	10 1/4	2	3	1	9	0	22	0	8	17	56	13	4	2	16	8	0	14	2
3	11	2	10	2	2	1	8 1/2	0	21	0	7 3/4	18	60	0	0	3	0	0	0	15	0
3	10	2	9 1/2	2	1	1	8 1/4	0	20	0	7 1/2	19	63	6	8	3	3	4	0	15	10
3	9	2	9 1/4	2	0	1	8	0	19	0	7	20	66	13	4	3	6	8	0	16	8
3	8	2	8 3/4	1	27	1	7 3/4	0	18	0	6 3/4	21	70	0	0	3	10	0	0	17	6
3	7	2	8 1/2	1	26	1	7 1/4	0	17	0	6 1/4	22	73	6	8	3	13	4	0	18	4
3	6	2	8	1	25	1	7	0	16	0	6	23	76	13	4	3	16	8	0	19	2
3	5	2	7 3/4	1	24	1	6 1/2	0	15	0	5 1/2	24	80	0	0	4	0	0	1	0	0
3	4	2	7 1/2	1	23	1	6 1/4	0	14	0	5	25	83	6	8	4	3	4	1	0	10
3	3	2	7	1	22	1	5 3/4	0	13	0	4 3/4	26	86	13	4	4	6	8	1	1	8
3	2	2	6 3/4	1	21	1	5 1/2	0	12	0	4 1/2	27	90	0	0	4	10	0	1	2	6
3	1	2	6 1/2	1	20	1	5	0	11	0	4	28	93	6	8	4	13	4	1	3	4
3	0	2	6	1	19	1	4 3/4	0	10	0	3 3/4	29	96	13	4	4	16	8	1	4	2
2	27	2	5 3/4	1	18	1	4 1/2	0	9	0	3 1/2	30	100	0	0	5	0	0	1	5	0
2	26	2	5 1/2	1	17	1	4	0	8	0	3	31	103	6	8	5	3	4	1	5	10
2	25	2	5	1	16	1	3 3/4	0	7	0	2 3/4	32	106	13	4	5	6	8	1	6	8
2	24	2	4 3/4	1	15	1	3 1/2	0	6	0	2 1/2	33	110	0	0	5	10	0	1	7	6
2	23	2	4 1/2	1	14	1	3	0	5	0	2	34	113	6	8	5	13	4	1	8	4
2	22	2	4 1/4	1	13	1	2 3/4	0	4	0	1 3/4	35	116	13	4	5	16	8	1	9	2
2	21	2	3 3/4	1	12	1	2 1/4	0	3	0	1	36	120	0	0	6	0	0	1	10	0
2	20	2	3	1	11	1	2	0	2	0	0 3/4	37	123	6	8	6	3	4	1	10	10
2	19	2	2 3/4	1	10	1	1 3/4	0	1	0	0 1/2	38	126	13	4	6	6	8	1	11	8

£3 8s. 4d. per ton, 3s. 5d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£3 8s. 4d. per ton.			3s. 5d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 10½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	3	4¾	2	18	2	3¾	1	9	1	1¾	2	6	16	8	0	6	10	0	1	8¼
3	26	3	4½	2	17	2	3½	1	8	1	1½	3	10	5	0	0	10	3	0	2	6¾
3	25	3	4	2	16	2	2¾	1	7	1	1	4	13	13	4	0	13	8	0	3	5
3	24	3	3¾	2	15	2	2	1	6	1	0¾	5	17	1	8	0	17	1	0	4	3¼
3	23	3	3½	2	14	2	1½	1	5	1	0½	6	20	10	0	1	0	6	0	5	1¾
3	22	3	3	2	13	2	1	1	4	1	0	7	23	18	4	1	3	11	0	5	11¾
3	21	3	2¾	2	12	2	0¼	1	3	0	11¾	8	27	6	8	1	7	4	0	6	10
3	20	3	2½	2	11	2	0¼	1	2	0	11¼	9	30	15	0	1	10	9	0	7	8¼
3	19	3	2	2	10	2	0	1	1	0	10¾	10	34	3	4	1	14	2	0	8	6¾
3	18	3	1¾	2	9	1	11¼	1	0	0	10¼	11	37	11	8	1	17	7	0	9	4¾
3	17	3	1½	2	8	1	11	0	27	0	10	12	41	0	0	2	1	0	0	10	3
3	16	3	0¾	2	7	1	10¾	0	26	0	9¾	13	44	8	4	2	4	5	0	11	1¼
3	15	3	0¾	2	6	1	10¼	0	25	0	9¼	14	47	16	8	2	7	10	0	11	11¾
3	14	3	0	2	5	1	10	0	24	0	9	15	51	5	0	2	11	3	0	12	9¾
3	13	2	11¾	2	4	1	9¾	0	23	0	8¾	16	54	13	4	2	14	8	0	13	8
3	12	2	11½	2	3	1	9¼	0	22	0	8¼	17	58	1	8	2	18	1	0	14	6¼
3	11	2	11	2	2	1	9	0	21	0	8	18	61	10	0	3	1	6	0	15	4¾
3	10	2	10¾	2	1	1	8¾	0	20	0	7¾	19	64	18	4	3	4	11	0	16	2¾
3	9	2	10¼	2	0	1	8¼	0	19	0	7¼	20	68	6	8	3	8	4	0	17	1
3	8	2	10	1	27	1	7	0	18	0	6¾	21	71	15	0	3	11	9	0	17	11¼
3	7	2	9¾	1	26	1	6¾	0	17	0	6¼	22	75	3	4	3	15	2	0	18	9¾
3	6	2	9½	1	25	1	6½	0	16	0	6	23	78	11	8	3	18	7	0	19	7¾
3	5	2	8¾	1	24	1	6	0	15	0	5½	24	82	0	0	4	2	0	1	0	6
3	4	2	8½	1	23	1	5¾	0	14	0	5	25	85	8	4	4	5	5	1	1	4¼
3	3	2	8¼	1	22	1	5¼	0	13	0	4¾	26	88	16	8	4	8	10	1	2	2¾
3	2	2	7¾	1	21	1	5	0	12	0	4½	27	92	5	0	4	12	3	1	3	0¾
3	1	2	7½	1	20	1	4¾	0	11	0	4¼	28	95	13	4	4	15	8	1	3	11
3	0	2	6¾	1	19	1	4¼	0	10	0	4	29	99	1	8	4	19	1	1	4	9¼
2	27	2	6½	1	18	1	4¼	0	9	0	3¾	30	102	10	0	5	2	6	1	5	7¾
2	26	2	6¼	1	17	1	4	0	8	0	3¼	31	105	18	4	5	5	11	1	6	5¾
2	25	2	6	1	16	1	3¾	0	7	0	3	32	109	6	8	5	9	4	1	7	4
2	24	2	5¾	1	15	1	3¼	0	6	0	2¾	33	112	15	0	5	12	9	1	8	2¼
2	23	2	5½	1	14	1	3¼	0	5	0	2¼	34	116	3	4	5	16	2	1	9	0¾
2	22	2	5	1	13	1	3	0	4	0	1¾	35	119	11	8	5	19	7	1	9	10¾
2	21	2	4¾	1	12	1	2¾	0	3	0	1	36	123	0	0	6	3	0	1	10	9
2	20	2	4½	1	11	1	2¼	0	2	0	0¾	37	126	8	4	6	6	5	1	11	7¼
2	19	2	4	1	10	1	2	0	1	0	0¼	38	129	16	8	6	9	10	1	12	5¾

£3 10s. per ton, 3s. 6d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£3 10s. per ton.			3s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 10½d	
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	s.	d.
3	27	3	5¾	2	18	2	4	1	9	1	2¾	2	7	0	0	0	7	0	0	1	9
3	26	3	5¼	2	17	2	3¾	1	8	1	2¼	3	10	10	0	0	10	6	0	2	7¼
3	25	3	5	2	16	2	3¼	1	7	1	2	4	14	0	0	0	14	0	0	3	6
3	24	3	4¾	2	15	2	2¾	1	6	1	1¾	5	17	10	0	0	17	6	0	4	4¾
3	23	3	4¼	2	14	2	2¼	1	5	1	1	6	21	0	0	1	1	0	0	5	3
3	22	3	4	2	13	2	1¾	1	4	1	0¾	7	24	10	0	1	4	6	0	6	1¾
3	21	3	3¾	2	12	2	1¼	1	3	1	0	8	28	0	0	1	8	0	0	7	0
3	20	3	3¼	2	11	2	0¾	1	2	0	11¾	9	31	10	0	1	11	6	0	7	10¾
3	19	3	2¾	2	10	2	0¼	1	1	0	11	10	35	0	0	1	15	0	0	8	9
3	18	3	2¼	2	9	2	0¼	1	0	0	10¾	11	38	10	0	1	18	6	0	9	7¾
3	17	3	1¾	2	8	1	11¾	0	27	0	10	12	42	0	0	2	2	0	0	10	6
3	16	3	1¼	2	7	1	11¼	0	26	0	9¾	13	45	10	0	2	5	6	0	11	4¾
3	15	3	1	2	6	1	11	0	25	0	9¼	14	49	0	0	2	9	0	0	12	3
3	14	3	0¾	2	5	1	10¾	0	24	0	8¾	15	52	10	0	2	12	6	0	13	1¾
3	13	3	0¼	2	4	1	10¼	0	23	0	8¼	16	56	0	0	2	16	0	0	14	0
3	12	3	0	2	3	1	10	0	22	0	7¾	17	59	10	0	2	19	6	0	14	10¾
3	11	2	11¾	2	2	1	10¼	0	21	0	7¼	18	63	0	0	3	3	0	0	15	9
3	10	2	11¼	2	1	1	9¾	0	20	0	7¼	19	66	10	0	3	6	6	0	16	7¾
3	9	2	11	2	0	1	9	0	19	0	7	20	70	0	0	3	10	0	0	17	6
3	8	2	10¾	1	27	1	8¾	0	18	0	6¾	21	73	10	0	3	13	6	0	18	4¾
3	7	2	10¼	1	26	1	8¼	0	17	0	6¼	22	77	0	0	3	17	0	0	19	3
3	6	2	9¾	1	25	1	7¾	0	16	0	6¼	23	80	10	0	4	0	6	1	0	1¾
3	5	2	9¼	1	24	1	7¼	0	15	0	5¾	24	84	0	0	4	4	0	1	1	0
3	4	2	9	1	23	1	7¼	0	14	0	5¼	25	87	10	0	4	7	6	1	1	10¾
3	3	2	8¾	1	22	1	7	0	13	0	5	26	91	0	0	4	11	0	1	2	9
3	2	2	8¼	1	21	1	6¾	0	12	0	4¾	27	94	10	0	4	14	6	1	3	7¾
3	1	2	8	1	20	1	6¼	0	11	0	4¼	28	98	0	0	4	18	0	1	4	6
3	0	2	7¾	1	19	1	6	0	10	0	4	29	101	10	0	5	1	6	1	5	4¾
2	27	2	7	1	18	1	5¾	0	9	0	3¾	30	105	0	0	5	5	0	1	6	3
2	26	2	6¾	1	17	1	5¼	0	8	0	3¼	31	108	10	0	5	8	6	1	7	1¾
2	25	2	6¼	1	16	1	5¼	0	7	0	3¼	32	112	0	0	5	12	0	1	8	0
2	24	2	6	1	15	1	5	0	6	0	2¾	33	115	10	0	5	15	6	1	8	10¾
2	23	2	5¾	1	14	1	4¾	0	5	0	2¼	34	119	0	0	5	19	0	1	9	9
2	22	2	5¼	1	13	1	4¼	0	4	0	1¾	35	122	10	0	6	2	6	1	10	7¾
2	21	2	5	1	12	1	4	0	3	0	1	36	126	0	0	6	6	0	1	11	6
2	20	2	4¾	1	11	1	3¾	0	2	0	0¾	37	129	10	0	6	9	6	1	12	4¾
2	19	2	4¼	1	10	1	3¼	0	1		0¼	38	133	0	0	6	13	0	1	13	3

Note—Average one farthing and a half farthing per lb.

£3 11s. 8d. per ton, 3s. 7d. per cwt. Rate per qr. cwt., stone, and lb.									No.	£3 11s. 8d. per ton.			3s. 7d. per cwt. bush, day, or yard:			qr. cwt., peck, ¼ day, ¼ yard, average 10¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	3	6¾	2	18	2	4¼	1	9	1	3½	2	7	3	4	0	7	2	0	1	9¼
3	26	3	6½	2	17	2	4¼	1	8	1	3	3	10	15	0	0	10	9	0	2	8¼
3	25	3	6	2	16	2	4	1	7	1	2¾	4	14	6	8	0	14	4	0	3	7
3	24	3	5¾	2	15	2	3¾	1	6	1	2	5	17	18	4	0	17	11	0	4	5¾
3	23	3	5½	2	14	2	3½	1	5	1	1¾	6	21	10	0	1	1	6	0	5	4¼
3	22	3	4¾	2	13	2	3	1	4	1	1½	7	25	1	8	1	5	1	0	6	3¼
3	21	3	4¼	2	12	2	2¾	1	3	1	0¾	8	28	13	4	1	8	8	0	7	2
3	20	3	4	2	11	2	2½	1	2	0	11¾	9	32	5	0	1	12	3	0	8	0¾
3	19	3	3¾	2	10	2	2	1	1	0	11¼	10	35	16	8	1	15	10	0	8	11¼
3	18	3	3½	2	9	2	1¾	1	0	0	10¾	11	39	8	4	1	19	5	0	9	10¼
3	17	3	3	2	8	2	1½	0	27	0	10¼	12	43	0	0	2	3	0	0	10	9
3	16	3	2¾	2	7	2	1	0	26	0	9¾	13	46	11	8	2	6	7	0	11	7¾
3	15	3	2	2	6	2	0¾	0	25	0	9½	14	50	3	4	2	10	2	0	12	6½
3	14	3	1¾	2	5	2	0	0	24	0	9	15	53	15	0	2	13	9	0	13	5¼
3	13	3	1	2	4	1	11¾	0	23	0	8¾	16	57	6	8	2	17	4	0	14	4
3	12	3	0¾	2	3	1	11¼	0	22	0	8¼	17	60	18	4	3	0	11	0	15	2¾
3	11	3	0¼	2	2	1	11	0	21	0	7¾	18	64	10	0	3	4	6	0	16	1¾
3	10	2	11¾	2	1	1	10¾	0	20	0	7¼	19	68	1	8	3	8	1	0	17	0¼
3	9	2	11¼	2	0	1	9¾	0	19	0	7	20	71	13	4	3	11	8	0	17	11
3	8	2	11	1	27	1	9	0	18	0	6¾	21	75	5	0	3	15	3	0	18	9¾
3	7	2	10½	1	26	1	8¾	0	17	0	6¼	22	78	16	8	3	18	10	0	19	8¼
3	6	2	10¼	1	25	1	8¼	0	16	0	6	23	82	8	4	4	2	5	1	0	7¼
3	5	2	9¾	1	24	1	8	0	15	0	5¾	24	86	0	0	4	6	0	1	1	6
3	4	2	9½	1	23	1	7¾	0	14	0	5¼	25	89	11	8	4	9	7	1	2	4¾
3	3	2	9¼	1	22	1	7½	0	13	0	5	26	93	3	4	4	13	2	1	3	3¼
3	2	2	9	1	21	1	7	0	12	0	4¾	27	96	15	0	4	16	9	1	4	2¼
3	1	2	8¾	1	20	1	6¾	0	11	0	4¼	28	100	6	8	5	0	4	1	5	1
3	0	2	8¼	1	19	1	6½	0	10	0	4	29	103	18	4	5	3	11	1	5	11¾
2	27	2	8	1	18	1	5¾	0	9	0	3¾	30	107	10	0	5	7	6	1	6	10½
2	26	2	7¾	1	17	1	5½	0	8	0	3½	31	111	1	8	5	11	1	1	7	9¼
2	25	2	7½	1	16	1	5¼	0	7	0	3¼	32	114	13	4	5	14	8	1	8	8
2	24	2	7	1	15	1	5	0	6	0	2¾	33	118	5	0	5	18	3	1	9	6¾
2	23	2	6¾	1	14	1	4¾	0	5	0	2½	34	121	16	8	6	1	10	1	10	5½
2	22	2	6½	1	13	1	4½	0	4	0	1¾	35	125	8	4	6	5	5	1	11	4½
2	21	2	6	1	12	1	4	0	3	0	1	36	129	0	0	6	9	0	1	12	3
2	20	2	5½	1	11	1	3¾	0	2	0	0½	37	132	11	8	6	12	7	1	13	1¾
2	19	2	5	1	10	1	3½	0	1	0	0¼	38	136	3	4	6	16	2	1	14	0¼

£3 13*s.* 4*d.* per ton, 3*s.* 8*d.* per cwt. Rate per qr. cwt., stone, & lb.										No.	£3 13*s.* 4*d.* per ton.			3*s.* 8*d.* per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 11*d.*		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	3	7¾	2	18	2	5	1	9	1	3¾	2	7	6	8	0	7	4	0	1	10
3	26	3	7¼	2	17	2	4½	1	8	1	3	3	11	0	0	0	11	0	0	2	9
3	25	3	7	2	16	2	4¼	1	7	1	2¾	4	14	13	4	0	14	8	0	3	8
3	24	3	6¾	2	15	2	4	1	6	1	2½	5	18	6	8	0	18	4	0	4	7
3	23	3	6	2	14	2	3½	1	5	1	2	6	22	0	0	1	2	0	0	5	6
3	22	3	5¾	2	13	2	3	1	4	1	1¾	7	25	13	4	1	5	8	0	6	5
3	21	3	5¼	2	12	2	2¾	1	3	1	1	8	29	6	8	1	9	4	0	7	4
3	20	3	4¾	2	11	2	2¼	1	2	1	0¼	9	33	0	0	1	13	0	0	8	3
3	19	3	4¼	2	10	2	2	1	1	0	11¾	10	36	13	4	1	16	8	0	9	2
3	18	3	3¾	2	9	2	1¾	1	0	0	11	11	40	6	8	2	0	4	0	10	1
3	17	3	3¼	2	8	2	1	0	27	0	10½	12	44	0	0	2	4	0	0	11	0
3	16	3	3¼	2	7	2	0¼	0	26	0	10	13	47	13	4	2	7	8	0	11	11
3	15	3	3	2	6	2	0¼	0	25	0	9¾	14	51	6	8	2	11	4	0	12	10
3	14	3	2¾	2	5	1	11¾	0	24	0	9¼	15	55	0	0	2	15	0	0	13	9
3	13	3	2	2	4	1	11¼	0	23	0	9	16	58	13	4	2	18	8	0	14	8
3	12	3	1¾	2	3	1	11	0	22	0	8½	17	62	6	8	3	2	4	0	15	7
3	11	3	1½	2	2	1	10¾	0	21	0	8¼	18	66	0	0	3	6	0	0	16	6
3	10	3	1	2	1	1	10¼	0	20	0	7¾	19	69	13	4	3	9	8	0	17	5
3	9	3	0¾	2	0	1	10	0	19	0	7½	20	73	6	8	3	13	4	0	18	4
3	8	3	0	1	27	1	9¾	0	18	0	7	21	77	0	0	3	17	0	0	19	3
3	7	2	11½	1	26	1	9¼	0	17	0	6¾	22	80	13	4	4	0	8	1	0	2
3	6	2	11¼	1	25	1	8¾	0	16	0	6½	23	84	6	8	4	4	4	1	1	1
3	5	2	11	1	24	1	8½	0	15	0	6	24	88	0	0	4	8	0	1	2	0
3	4	2	10¾	1	23	1	8	0	14	0	5¾	25	91	13	4	4	11	8	1	2	11
3	3	2	10¼	1	22	1	7¾	0	13	0	5½	26	95	6	8	4	15	4	1	3	10
3	2	2	9¾	1	21	1	7½	0	12	0	4¾	27	99	0	0	4	19	0	1	4	9
3	1	2	9¼	1	20	1	6¾	0	11	0	4½	28	102	13	4	5	2	8	1	5	8
3	0	2	9	1	19	1	6½	0	10	0	4¼	29	106	6	8	5	6	4	1	6	7
2	27	2	8¾	1	18	1	6	0	9	0	4	30	110	0	0	5	10	0	1	7	6
2	26	2	8¼	1	17	1	5¾	0	8	0	3¾	31	113	13	4	5	13	8	1	8	5
2	25	2	7¾	1	16	1	5½	0	7	0	3½	32	117	6	8	5	17	4	1	9	4
2	24	2	7¼	1	15	1	5	0	6	0	2¾	33	121	0	0	6	1	0	1	10	3
2	23	2	7	1	14	1	4¾	0	5	0	2¼	34	124	13	4	6	4	8	1	11	2
2	22	2	6¾	1	13	1	4¼	0	4	0	1¾	35	128	6	8	6	8	4	1	12	1
2	21	2	6¼	1	12	1	4¼	0	3	0	1	36	132	0	0	6	12	0	1	13	0
2	20	2	5¾	1	11	1	4	0	2	0	0½	37	135	13	4	6	15	8	1	13	11
2	19	2	5¼	1	10	1	3¾	0	1	0	0¼	38	139	6	8	6	19	4	1	14	10

£3 15s. per ton, 3s. 9d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£3 15s. per ton.			3s. 9d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 11¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	3	8¾	2	18	2	6	1	9	1	3¼	2	7	10	0	0	7	6	0	1	10¼
3	26	3	8¼	2	17	2	5¾	1	8	1	3¼	3	11	5	0	0	11	3	0	2	9¾
3	25	3	8¼	2	16	2	5¼	1	7	1	2¾	4	15	0	0	0	15	0	0	3	9
3	24	3	7¾	2	15	2	5	1	6	1	2¼	5	18	15	0	0	18	9	0	4	8¼
3	23	3	7¼	2	14	2	4¾	1	5	1	2¼	6	22	10	0	1	2	6	0	5	7¼
3	22	3	7	2	13	2	4¼	1	4	1	1¾	7	26	5	0	1	6	3	0	6	6¾
3	21	3	6¾	2	12	2	4	1	3	1	1¼	8	30	0	0	1	10	0	0	7	6
3	20	3	6	2	11	2	3¾	1	2	1	0¾	9	33	15	0	1	13	9	0	8	5¼
3	19	3	5¾	2	10	2	3	1	1	1	0	10	37	10	0	1	17	6	0	9	4¼
3	18	3	5¼	2	9	2	2¾	1	0	0	11¼	11	41	5	0	2	1	3	0	10	3¾
3	17	3	5	2	8	2	2¼	0	27	0	10¾	12	45	0	0	2	5	0	0	11	3
3	16	3	4¼	2	7	2	2	0	26	0	10¼	13	48	15	0	2	8	9	0	12	2¼
3	15	3	4	2	6	2	1¾	0	25	0	10	14	52	10	0	2	12	6	0	13	1¾
3	14	3	3¾	2	5	2	1	0	24	0	9¾	15	56	5	0	2	16	3	0	14	0¾
3	13	3	3	2	4	2	0¾	0	23	0	9¼	16	60	0	0	3	0	0	0	15	0
3	12	3	2¾	2	3	2	0¼	0	22	0	8¾	17	63	15	0	3	3	9	0	15	11¼
3	11	3	2¼	2	2	1	11¾	0	21	0	8¼	18	67	10	0	3	7	6	0	16	10¾
3	10	3	2	2	1	1	11	0	20	0	8	19	71	5	0	3	11	3	0	17	9¾
3	9	3	1¾	2	0	1	10¾	0	19	0	7¾	20	75	0	0	3	15	0	0	18	9
3	8	3	1	1	27	1	10	0	18	0	7¼	21	78	15	0	3	18	9	0	19	8¼
3	7	3	0¾	1	26	1	9¾	0	17	0	6¾	22	82	10	0	4	2	6	1	0	7¾
3	6	3	0¼	1	25	1	9	0	16	0	6¼	23	86	5	0	4	6	3	1	1	6¾
3	5	2	11¾	1	24	1	8¾	0	15	0	6	24	90	0	0	4	10	0	1	2	6
3	4	2	11¼	1	23	1	8¼	0	14	0	5¾	25	93	15	0	4	13	9	1	3	5¼
3	3	2	11	1	22	1	7¾	0	13	0	5¼	26	97	10	0	4	17	6	1	4	4¾
3	2	2	10¾	1	21	1	7¼	0	12	0	5	27	101	5	0	5	1	3	1	5	3¾
3	1	2	10¼	1	20	1	7	0	11	0	4¾	28	105	0	0	5	5	0	1	6	3
3	0	2	9¾	1	19	1	6¾	0	10	0	4¼	29	108	15	0	5	8	9	1	7	2¼
2	27	2	9¼	1	18	1	6¼	0	9	0	4	30	112	10	0	5	12	6	1	8	1¾
2	26	2	9¼	1	17	1	5¾	0	8	0	3¾	31	116	5	0	5	16	3	1	9	0¾
2	25	2	8¾	1	16	1	5¼	0	7	0	3¼	32	120	0	0	6	0	0	1	10	0
2	24	2	8¼	1	15	1	5	0	6	0	3	33	123	15	0	6	3	9	1	10	11¼
2	23	2	8	1	14	1	4¾	0	5	0	2¼	34	127	10	0	6	7	6	1	11	10¼
2	22	2	7¾	1	13	1	4¼	0	4	0	1¾	35	131	5	0	6	11	3	1	12	9¾
2	21	2	7¼	1	12	1	4¼	0	3	0	1¼	36	135	0	0	6	15	0	1	13	9
2	20	2	6¾	1	11	1	4	0	2	0	0¾	37	138	15	0	6	18	9	1	14	8¼
2	19	2	6¼	1	10	1	3¾	0	1	0	0¼	38	142	10	0	7	2	6	1	15	7¾

£3 16s. 8d. per ton, 3s. 10d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£3 16s. 8d. per ton.			3s. 10d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 11¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.		s.	d.
3	27	3	9⅜	2	18	2	6¼	1	9	1	3	2	7	13	4	0	7	8	0	1	11
3	26	3	9½	2	17	2	5⅝	1	8	1	2⅝	3	11	10	0	0	11	6	0	2	10½
3	25	3	9	2	16	2	5¼	1	7	1	2¼	4	15	6	8	0	15	4	0	3	10
3	24	3	8½	2	15	2	5	1	6	1	2	5	19	3	4	0	19	2	0	4	9½
3	23	3	8¼	2	14	2	4⅝	1	5	1	1⅝	6	23	0	0	1	3	0	0	5	9
3	22	3	7⅞	2	13	2	4	1	4	1	1⅛	7	26	16	8	1	6	10	0	6	8⅛
3	21	3	7½	2	12	2	3⅜	1	3	1	0⅝	8	30	13	4	1	10	8	0	7	8
3	20	3	7	2	11	2	3¼	1	2	1	0⅛	9	34	10	0	1	13	6	0	8	7⅛
3	19	3	6½	2	10	2	2⅝	1	1	0	11⅝	10	38	6	8	1	18	4	0	9	7
3	18	3	6	2	9	2	2¼	1	0	0	11⅛	11	42	3	4	2	2	2	0	10	6⅛
3	17	3	5½	2	8	2	1⅞	0	27	0	11	12	46	0	0	2	6	0	0	11	6
3	16	3	5	2	7	2	1½	0	26	0	10⅝	13	49	16	8	2	9	10	0	12	5⅛
3	15	3	4½	2	6	2	1	0	25	0	10⅛	14	53	13	4	2	13	8	0	13	5
3	14	3	4	2	5	2	0⅛	0	24	0	9⅝	15	57	10	0	2	17	6	0	14	4⅛
3	13	3	3½	2	4	2	0¼	0	23	0	9¼	16	61	6	8	3	1	4	0	15	4
3	12	3	3¼	2	3	2	0	0	22	0	8⅞	17	65	3	4	3	5	2	0	16	3⅛
3	11	3	2⅞	2	2	1	11⅛	0	21	0	8¼	18	69	0	0	3	9	0	0	17	3
3	10	3	2¼	2	1	1	11¼	0	20	0	8	19	72	16	8	3	12	10	0	18	2⅛
3	9	3	2	2	0	1	11	0	19	0	7⅞	20	76	13	4	3	16	8	0	19	2
3	8	3	1⅝	1	27	1	10⅛	0	18	0	7	21	80	10	0	4	0	6	1	0	1⅛
3	7	3	1	1	26	1	10¼	0	17	0	6¾	22	84	6	8	4	4	4	1	1	1
3	6	3	0⅛	1	25	1	9⅜	0	16	0	6¼	23	88	3	4	4	8	2	1	2	0⅛
3	5	3	0	1	24	1	9¼	0	15	0	6	24	92	0	0	4	12	0	1	3	0
3	4	2	11⅝	1	23	1	9	0	14	0	5⅝	25	95	16	8	4	15	10	1	3	11⅛
3	3	2	11⅛	1	22	1	8⅛	0	13	0	5⅓	26	99	13	4	4	19	8	1	4	11
3	2	2	11	1	21	1	8	0	12	0	5¼	27	103	10	0	5	3	6	1	5	10⅛
3	1	2	10⅜	1	20	1	7⅜	0	11	0	5	28	107	6	8	5	7	4	1	6	10
3	0	2	10⅛	1	19	1	7⅛	0	10	0	4⅛	29	111	3	4	5	11	2	1	7	9⅛
2	27	2	10	1	18	1	6⅝	0	9	0	4	30	115	0	0	5	15	0	1	8	9
2	26	2	9⅛	1	17	1	6¼	0	8	0	3⅝	31	118	16	8	5	18	10	1	9	8⅛
2	25	2	9	1	16	1	6	0	7	0	3¼	32	122	13	4	6	2	8	1	10	8
2	24	2	8⅜	1	15	1	5⅛	0	6	0	3	33	126	10	0	6	6	6	1	11	7⅛
2	23	2	8⅛	1	14	1	5¼	0	5	0	2⅛	34	130	6	8	6	10	4	1	12	7
2	22	2	8	1	13	1	4⅜	0	4	0	2	35	134	3	4	6	14	2	1	13	6⅛
2	21	2	7½	1	12	1	4¼	0	3	0	1	36	138	0	0	6	18	0	1	14	6
2	20	2	7	1	11	1	4	0	2	0	0⅛	37	141	16	8	7	1	10	1	15	5⅛
2	19	2	6⅛	1	10	1	3⅛	0	1	0	0¼	38	145	13	4	7	5	8	1	16	5

£3 18s. 4d. per ton, 3s. 11d. per cwt. — Rate per qr. cwt., stone, & lb.										No.	£3 18s. 4d. per ton.			3s. 11d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 11¼d.		
qr.	lb.	s.	d.	qr	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	3	10¾	2	18	2	7¼	1	9	1	3¾	2	7	16	8	0	7	10	0	1	11¼
3	26	3	10¼	2	17	2	7	1	8	1	3¼	3	11	15	0	0	11	9	0	2	11¼
3	25	3	10	2	16	2	6¼	1	7	1	2¾	4	15	13	4	0	15	8	0	3	11
3	24	3	9¾	2	15	2	6	1	6	1	2¼	5	19	11	8	0	19	7	0	4	10¾
3	23	3	9	2	14	2	5¾	1	5	1	1¾	6	23	10	0	1	3	6	0	5	10¼
3	22	3	8¼	2	13	2	5¼	1	4	1	1¼	7	27	8	4	1	7	5	0	6	10
3	21	3	7¾	2	12	2	5	1	3	1	0¾	8	31	6	8	1	11	4	0	7	10
3	20	3	7¼	2	11	2	4¼	1	2	1	0¼	9	35	5	0	1	15	3	0	8	9¾
3	19	3	7	2	10	2	4	1	1	1	0	10	39	3	4	1	19	2	0	9	9¼
3	18	3	6¾	2	9	2	3¾	1	0	0	11¾	11	43	1	8	2	3	1	0	10	9¼
3	17	3	6	2	8	2	3¼	0	27	0	11¼	12	47	0	0	2	7	0	0	11	9
3	16	3	5¾	2	7	2	3	0	26	0	11	13	50	18	4	2	10	11	0	12	8¾
3	15	3	5¼	2	6	2	2¼	0	25	0	10¾	14	54	16	8	2	14	10	0	13	8¼
3	14	3	5¼	2	5	2	2	0	24	0	10	15	58	15	0	2	18	9	0	14	8¼
3	13	3	4¾	2	4	2	1¾	0	23	0	9¾	16	62	13	4	3	2	8	0	15	8
3	12	3	4¼	2	3	2	1	0	22	0	9¼	17	66	11	8	3	6	7	0	16	7¾
3	11	3	4	2	2	2	0¾	0	21	0	8¾	18	70	10	0	3	10	6	0	17	7¼
3	10	3	3¼	2	1	2	0	0	20	0	8¼	19	74	8	4	3	14	5	0	18	7¼
3	9	3	3	2	0	1	11¼	0	19	0	7¾	20	78	6	8	3	18	4	0	19	7
3	8	3	2¾	1	27	1	11	0	18	0	7¼	21	82	5	0	4	2	3	1	0	6¾
3	7	3	2¼	1	26	1	10¾	0	17	0	7	22	86	3	4	4	6	2	1	1	6¼
3	6	3	2	1	25	1	10¼	0	16	0	6¾	23	90	1	8	4	10	1	1	2	6¼
3	5	3	1¾	1	24	1	10	0	15	0	6¼	24	94	0	0	4	14	0	1	3	6
3	4	3	1¼	1	23	1	9¼	0	14	0	5¾	25	97	18	4	4	17	11	1	4	5¾
3	3	3	0¾	1	22	1	9	0	13	0	5¼	26	101	16	8	5	1	10	1	5	5¼
3	2	3	0¼	1	21	1	8¼	0	12	0	5	27	105	15	0	5	5	9	1	6	5¼
3	1	2	11¾	1	20	1	7¾	0	11	0	4¾	28	109	13	4	5	9	8	1	7	5
3	0	2	11¼	1	19	1	7¼	0	10	0	4¼	29	113	11	8	5	13	7	1	8	4¾
2	27	2	11	1	18	1	7	0	9	0	4	30	117	10	0	5	17	6	1	9	4¼
2	26	2	10¾	1	17	1	6¾	0	8	0	3¾	31	121	8	4	6	1	5	1	10	4¼
2	25	2	10¼	1	16	1	6¼	0	7	0	3¼	32	125	6	8	6	5	4	1	11	4
2	24	2	9¾	1	15	1	6	0	6	0	3	33	129	5	0	6	9	3	1	12	3¾
2	23	2	9¼	1	14	1	5¾	0	5	0	2¼	34	133	3	4	6	13	2	1	13	3¼
2	22	2	9	1	13	1	5¼	0	4	0	2	35	137	1	8	6	17	1	1	14	3¼
2	21	2	8¼	1	12	1	5	0	3	0	1	36	141	0	0	7	1	0	1	15	3
2	20	2	8	1	11	1	4¼	0	2	0	0¼	37	144	18	4	7	4	11	1	16	2¾
2	19	2	7¼	1	10	1	4	0	1	0	0¼	38	148	16	8	7	8	10	1	17	2¼

£4 per ton, 4s. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£4 per ton.			4s. per cwt., bush., day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 1s.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	3	11⅞	2	18	2	8	1	9	1	4	2	8	0	0	0	8	0	0	2	0
3	26	3	11¼	2	17	2	7⅛	1	8	1	3⅝	3	12	0	0	0	12	0	0	3	0
3	25	3	10⅝	2	16	2	7	1	7	1	3½	4	16	0	0	0	16	0	0	4	0
3	24	3	10¼	2	15	2	6⅛	1	6	1	2⅝	5	20	0	0	1	0	0	0	5	0
3	23	3	10	2	14	2	6	1	5	1	2¼	6	24	0	0	1	4	0	0	6	0
3	22	3	9⅞	2	13	2	5⅜	1	4	1	2	7	28	0	0	1	8	0	0	7	0
3	21	3	9	2	12	2	5¼	1	3	1	1⅞	8	32	0	0	1	12	0	0	8	0
3	20	3	8⅛	2	11	2	4⅜	1	2	1	1	9	36	0	0	1	16	0	0	9	0
3	19	3	8¼	2	10	2	4⅛	1	1	1	0⅛	10	40	0	0	2	0	0	0	10	0
3	18	3	7⅞	2	9	2	4	1	0	1	0	11	44	0	0	2	4	0	0	11	0
3	17	3	7½	2	8	2	3⅝	0	27	0	11⅛	12	48	0	0	2	8	0	0	12	0
3	16	3	6⅞	2	7	2	3¼	0	26	0	11	13	52	0	0	2	12	0	0	13	0
3	15	3	6¼	2	6	2	2⅜	0	25	0	10⅝	14	56	0	0	2	16	0	0	14	0
3	14	3	6	2	5	2	2⅛	0	24	0	10¼	15	60	0	0	3	0	0	0	15	0
3	13	3	5⅛	2	4	2	2	0	23	0	10	16	64	0	0	3	4	0	0	16	0
3	12	3	5½	2	3	2	1⅛	0	22	0	9⅛	17	68	0	0	3	8	0	0	17	0
3	11	3	4⅞	2	2	2	1	0	21	0	9	18	72	0	0	3	12	0	0	18	0
3	10	3	4¼	2	1	2	0⅛	0	20	0	8⅝	19	76	0	0	3	16	0	0	19	0
3	9	3	3⅝	2	0	2	0	0	19	0	8¼	20	80	0	0	4	0	0	1	0	0
3	8	3	3¼	1	27	1	11⅛	0	18	0	7⅞	21	84	0	0	4	4	0	1	1	0
3	7	3	3	1	26	1	11⅛	0	17	0	7¼	22	88	0	0	4	8	0	1	2	0
3	6	3	2⅜	1	25	1	10⅝	0	16	0	7	23	92	0	0	4	12	0	1	3	0
3	5	3	2	1	24	1	10⅛	0	15	0	6⅝	24	96	0	0	4	16	0	1	4	0
3	4	3	1⅝	1	23	1	10	0	14	0	6	25	100	0	0	5	0	0	1	5	0
3	3	3	1¼	1	22	1	9⅛	0	13	0	5⅝	26	104	0	0	5	4	0	1	6	0
3	2	3	1	1	21	1	9	0	12	0	5½	27	108	0	0	5	8	0	1	7	0
3	1	3	0⅛	1	20	1	8⅜	0	11	0	5	28	112	0	0	5	12	0	1	8	0
3	0	3	0	1	19	1	8⅛	0	10	0	4⅝	29	116	0	0	5	16	0	1	9	0
2	27	2	11⅛	1	18	1	8	0	9	0	4⅛	30	120	0	0	6	0	0	1	10	0
2	26	2	11¼	1	17	1	7⅛	0	8	0	4	31	124	0	0	6	4	0	1	11	0
2	25	2	10⅞	1	16	1	7	0	7	0	3⅞	32	128	0	0	6	8	0	1	12	0
2	24	2	10¼	1	15	1	6⅛	0	6	0	3	33	132	0	0	6	12	0	1	13	0
2	23	2	10	1	14	1	6	0	5	0	2⅛	34	136	0	0	6	16	0	1	14	0
2	22	2	9⅛	1	13	1	5⅜	0	4	0	2	35	140	0	0	7	0	0	1	15	0
2	21	2	9	1	12	1	5¼	0	3	0	1⅛	36	144	0	0	7	4	0	1	16	0
2	20	2	8⅞	1	11	1	5	0	2	0	0⅞	37	148	0	0	7	8	0	1	17	0
2	19	2	8¼	1	10	1	4⅛	0	1	0	0¼	38	152	0	0	7	12	0	1	18	0

£4 1s. 8d. per ton, 4s. 1d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£4 1s. 8d. per ton.			4s. 1d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 1s. 0½d.		
qr.	lb	s.	d.	qr	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	4	0¾	2	18	2	7¾	1	9	1	4	2	8	3	4	0	8	2	0	2	0½
3	26	4	0½	2	17	2	7¼	1	8	1	3½	3	12	5	0	0	12	3	0	3	0¾
3	25	4	0	2	16	2	6¾	1	7	1	3	4	16	6	8	0	16	4	0	4	1
3	24	3	11½	2	15	2	6½	1	6	1	2½	5	20	8	4	1	0	5	0	5	1¼
3	23	3	11	2	14	2	6	1	5	1	2	6	24	10	0	1	4	6	0	6	1½
3	22	3	10½	2	13	2	5½	1	4	1	1½	7	28	11	8	1	8	7	0	7	1¾
3	21	3	10	2	12	2	5	1	3	1	1	8	32	13	4	1	12	8	0	8	2
3	20	3	9½	2	11	2	4¾	1	2	1	0¾	9	36	15	0	1	16	9	0	9	2¼
3	19	3	9	2	10	2	4¼	1	1	1	0¼	10	40	16	8	2	0	10	0	10	2½
3	18	3	8½	2	9	2	4	1	0	1	0¼	11	44	18	4	2	4	11	0	11	2¾
3	17	3	8	2	8	2	3½	0	27	0	11¾	12	49	0	0	2	9	0	0	12	3
3	16	3	7½	2	7	2	3¼	0	26	0	11¼	13	53	1	8	2	13	1	0	13	3¼
3	15	3	7	2	6	2	3	0	25	0	10¾	14	57	3	4	2	17	2	0	14	3½
3	14	3	6½	2	5	2	2¾	0	24	0	10¼	15	61	5	0	3	1	3	0	15	3¾
3	13	3	6	2	4	2	2¼	0	23	0	10	16	65	6	8	3	5	4	0	16	4
3	12	3	5½	2	3	2	2	0	22	0	9¼	17	69	8	4	3	9	5	0	17	4¼
3	11	3	5	2	2	2	1¾	0	21	0	9	18	73	10	0	3	13	6	0	18	4½
3	10	3	4½	2	1	2	1	0	20	0	8¾	19	77	11	8	3	17	7	0	19	4¾
3	9	3	4	2	0	2	0¼	0	19	0	8¼	20	81	13	4	4	1	8	1	0	5
3	8	3	3½	1	27	2	0	0	18	0	7¾	21	85	15	0	4	5	9	1	1	5¼
3	7	3	3	1	26	1	11¾	0	17	0	7¼	22	89	16	8	4	9	10	1	2	5½
3	6	3	2½	1	25	1	11	0	16	0	7	23	93	18	4	4	14	11	1	3	5¾
3	5	3	2	1	24	1	10½	0	15	0	6¾	24	98	0	0	4	18	0	1	4	6
3	4	3	1¾	1	23	1	10¼	0	14	0	6	25	102	1	8	5	2	1	1	5	6¼
3	3	3	1½	1	22	1	9¾	0	13	0	5¾	26	106	3	4	5	6	2	1	6	6½
3	2	3	1¼	1	21	1	9¼	0	12	0	5½	27	110	5	0	5	10	3	1	7	6¾
3	1	3	1	1	20	1	9	0	11	0	5	28	114	6	8	5	14	4	1	8	7
3	0	3	0¾	1	19	1	8½	0	10	0	4¾	29	118	8	4	5	18	5	1	9	7¼
2	27	3	0¼	1	18	1	8	0	9	0	4¼	30	122	10	0	6	2	6	1	10	7½
2	26	2	11¾	1	17	1	7½	0	8	0	4	31	126	11	8	6	6	7	1	11	7¾
2	25	2	11¼	1	16	1	7	0	7	0	3½	32	130	13	4	6	10	8	1	12	8
2	24	2	10¾	1	15	1	6½	0	6	0	3	33	134	15	0	6	14	9	1	13	8¼
2	23	2	10¼	1	14	1	6	0	5	0	2½	34	138	16	8	6	18	10	1	14	8½
2	22	2	9¾	1	13	1	5½	0	4	0	2	35	142	18	4	7	3	11	1	15	8¾
2	21	2	9¼	1	12	1	5	0	3	0	1½	36	147	0	0	7	7	0	1	16	9
2	20	2	8¾	1	11	1	4½	0	2	0	0¾	37	151	1	8	7	11	1	1	17	9¼
2	19	2	8¼	1	10	1	4¼	0	1	0	0¼	38	155	3	4	7	15	2	1	18	9½

Note—Average ¼d. and three-fourths of a farthing per lb.

£4 3s. 4d. per ton, 4s. 2d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£4 3s. 4d. per ton.			4s. 2d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 1s. 0½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	4	1½	2	18	2	9	1	9	1	4½	2	8	6	8	0	8	4	0	2	1
3	26	4	1½	2	17	2	8½	1	8	1	4	3	12	10	0	0	12	6	0	3	1½
3	25	4	1	2	16	2	8	1	7	1	3½	4	16	13	4	0	16	8	0	4	2
3	24	4	0½	2	15	2	7½	1	6	1	3½	5	20	16	8	1	0	10	0	5	2½
3	23	4	0	2	14	2	7½	1	5	1	3	6	25	0	0	1	5	0	0	6	3
3	22	3	11½	2	13	2	7	1	4	1	2½	7	29	3	4	1	9	2	0	7	3½
3	21	3	11	2	12	2	6½	1	3	1	2	8	33	6	8	1	13	4	0	8	4
3	20	3	10½	2	11	2	6	1	2	1	1½	9	37	10	0	1	17	6	0	9	4½
3	19	3	10	2	10	2	5½	1	1	1	1	10	41	13	4	2	1	8	0	10	5
3	18	3	9½	2	9	2	5	1	0	1	0½	11	45	16	8	2	5	10	0	11	5½
3	17	3	9	2	8	2	4½	0	27	1	0	12	50	0	0	2	10	0	0	12	6
3	16	3	8½	2	7	2	4½	0	26	0	11½	13	54	3	4	2	14	2	0	13	6½
3	15	3	8	2	6	2	4	0	25	0	11½	14	58	6	8	2	18	4	0	14	7
3	14	3	7½	2	5	2	3½	0	24	0	11	15	62	10	0	3	2	6	0	15	7½
3	13	3	7½	2	4	2	3	0	23	0	10½	16	66	13	4	3	6	8	0	16	8
3	12	3	7	2	3	2	2½	0	22	0	10	17	70	16	8	3	10	10	0	17	8½
3	11	3	6½	2	2	2	2	0	21	0	9½	18	75	0	0	3	15	0	0	18	9
3	10	3	6	2	1	2	1½	0	20	0	9	19	79	3	4	3	19	2	0	19	9½
3	9	3	5½	2	0	2	1	0	19	0	8½	20	83	6	8	4	3	4	1	0	10
3	8	3	5½	1	27	2	0½	0	18	0	8	21	87	10	0	4	7	6	1	1	10½
3	7	3	5	1	26	2	0	0	17	0	7½	22	91	13	4	4	11	8	1	2	11
3	6	3	4½	1	25	1	11½	0	16	0	7	23	95	16	8	4	15	10	1	3	11½
3	5	3	4	1	24	1	11½	0	15	0	6½	24	100	0	0	5	0	0	1	5	0
3	4	3	3½	1	23	1	11	0	14	0	6½	25	104	3	4	5	4	2	1	6	0½
3	3	3	3	1	22	1	10½	0	13	0	6	26	108	6	8	5	8	4	1	7	1
3	2	3	2½	1	21	1	10	0	12	0	5½	27	112	10	0	5	12	6	1	8	1½
3	1	3	2	1	20	1	9½	0	11	0	5½	28	116	13	4	5	16	8	1	9	2
3	0	3	1½	1	19	1	9	0	10	0	5	29	120	16	8	6	0	10	1	10	2½
2	27	3	1	1	18	1	8½	0	9	0	4½	30	125	0	0	6	5	0	1	11	3
2	26	3	0½	1	17	1	8	0	8	0	4	31	129	3	4	6	9	2	1	12	3½
2	25	3	0	1	16	1	7½	0	7	0	3½	32	133	6	8	6	13	4	1	13	4
2	24	2	11½	1	15	1	7	0	6	0	3	33	137	10	0	6	17	6	1	14	4½
2	23	2	11½	1	14	1	6½	0	5	0	2½	34	141	13	4	7	1	8	1	15	5
2	22	2	11	1	13	1	6½	0	4	0	2	35	145	16	8	7	5	10	1	16	5½
2	21	2	10½	1	12	1	6	0	3	0	1½	36	150	0	0	7	10	0	1	17	6
2	20	2	10	1	11	1	5½	0	2	0	0½	37	154	3	4	7	14	2	1	18	6½
2	19	2	9½	1	10	1	5	0	1	0	0½	38	158	6	8	7	18	4	1	19	7

£4 5s. per ton, 4s. 3d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£4 5s. per ton.			4s. 3d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, av. 1s. 0¾d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	4	2¾	2	18	2	10½	1	9	1	4¾	2	8	10	0	0	8	6	0	2	1½
3	26	4	2½	2	17	2	10	1	8	1	4½	3	12	15	0	0	12	9	0	3	2¼
3	25	4	2	2	16	2	9½	1	7	1	4	4	17	0	0	0	17	0	0	4	3
3	24	4	1½	2	15	2	9	1	6	1	3¾	5	21	5	0	1	1	3	0	5	3¾
3	23	4	1	2	14	2	8½	1	5	1	3	6	25	10	0	1	5	6	0	6	4½
3	22	4	0½	2	13	2	8	1	4	1	2¼	7	29	15	0	1	9	9	0	7	5¼
3	21	4	0	2	12	2	7½	1	3	1	2	8	34	0	0	1	14	0	0	8	6
3	20	3	11½	2	11	2	7	1	2	1	1¼	9	38	5	0	1	18	3	0	9	6¾
3	19	3	11½	2	10	2	6½	1	1	1	1	10	42	10	0	2	2	6	0	10	7½
3	18	3	11	2	9	2	6	1	0	1	0¾	11	46	15	0	2	6	9	0	11	8¼
3	17	3	10½	2	8	2	5½	0	27	1	0¼	12	51	0	0	2	11	0	0	12	9
3	16	3	10	2	7	2	5	0	26	0	11¾	13	55	5	0	2	15	3	0	13	9¾
3	15	3	9½	2	6	2	4½	0	25	0	11¼	14	59	10	0	2	19	6	0	14	10½
3	14	3	9	2	5	2	4	0	24	0	10¾	15	63	15	0	3	3	9	0	15	11¼
3	13	3	8½	2	4	2	3½	0	23	0	10¼	16	68	0	0	3	8	0	0	17	0
3	12	3	8	2	3	2	3	0	22	0	9¾	17	72	5	0	3	12	3	0	18	0¾
3	11	3	7½	2	2	2	2½	0	21	0	9¼	18	76	10	0	3	16	6	0	19	1½
3	10	3	7	2	1	2	2	0	20	0	8¾	19	80	15	0	4	0	9	1	0	2¼
3	9	3	6½	2	0	2	1½	0	19	0	8¼	20	85	0	0	4	5	0	1	1	3
3	8	3	6¼	1	27	2	1	0	18	0	8	21	89	5	0	4	9	3	1	2	3¾
3	7	3	6	1	26	2	0¼	0	17	0	7¼	22	93	10	0	4	13	6	1	3	4¼
3	6	3	5¼	1	25	2	0	0	16	0	7¼	23	97	15	0	4	17	9	1	4	5¼
3	5	3	5	1	24	1	11½	0	15	0	7	24	102	0	0	5	2	0	1	5	6
3	4	3	4¾	1	23	1	11¼	0	14	0	6¾	25	106	5	0	5	6	3	1	6	6¾
3	3	3	4	1	22	1	11	0	13	0	6	26	110	10	0	5	10	6	1	7	7½
3	2	3	3½	1	21	1	10½	0	12	0	5¾	27	114	15	0	5	14	9	1	8	8¼
3	1	3	3	1	20	1	10	0	11	0	5¼	28	119	0	0	5	19	0	1	9	9
3	0	3	2¼	1	19	1	9½	0	10	0	5	29	123	5	0	6	3	3	1	10	9¾
2	27	3	2	1	18	1	9	0	9	9	4¼	30	127	10	0	6	7	6	1	11	10½
2	26	3	1¼	1	17	1	8½	0	8	0	4	31	131	15	0	6	11	9	1	12	11¼
2	25	3	1¼	1	16	1	8	0	7	0	3¾	32	136	0	0	6	16	0	1	14	0
2	24	3	1	1	15	1	7½	0	6	0	3	33	140	5	0	7	0	3	1	15	0¾
2	23	3	0¾	1	14	1	7	0	5	0	2¾	34	144	10	0	7	4	6	1	16	1½
2	22	3	0¼	1	13	1	6½	0	4	0	2	35	148	15	0	7	8	9	1	17	2¼
2	21	2	11¾	1	12	1	6	0	3	0	1¾	36	153	0	0	7	13	0	1	18	3
2	20	2	11¼	1	11	1	5½	0	2	0	0¾	37	157	5	0	7	17	3	1	19	3¾
2	19	2	10¾	1	10	1	5	0	1	0	0¼	38	161	10	0	8	1	6	2	0	4½

£4 6s. 8d. per ton, 4s. 4d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£4 6s. 8d. per ton.			4s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 1s. 1d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	4	3¾	2	18	2	10	1	9	1	5	2	8	13	4	0	8	8	0	2	2
3	26	4	3½	2	17	2	9½	1	8	1	4⅔	3	13	0	0	0	13	0	0	3	3
3	25	4	3	2	16	2	9¼	1	7	1	4⅓	4	17	6	8	0	17	4	0	4	4
3	24	4	2½	2	15	2	9	1	6	1	4	5	21	13	4	1	1	8	0	5	5
3	23	4	2	2	14	2	8½	1	5	1	3½	6	26	0	0	1	6	0	0	6	6
3	22	4	1½	2	13	2	8	1	4	1	3	7	30	6	8	1	10	4	0	7	7
3	21	4	1	2	12	2	7½	1	3	1	2⅔	8	34	13	4	1	14	8	0	8	8
3	20	4	0½	2	11	2	7	1	2	1	2	9	39	0	0	1	19	0	0	9	9
3	19	4	0	2	10	2	6½	1	1	1	1⅓	10	43	6	8	2	3	4	0	10	10
3	18	3	11½	2	9	2	6	1	0	1	1	11	47	13	4	2	7	8	0	11	11
3	17	3	11	2	8	2	5½	0	27	1	0½	12	52	0	0	2	12	0	0	13	0
3	16	3	10½	2	7	2	5	0	26	1	0	13	56	6	8	2	16	4	0	14	1
3	15	3	10	2	6	2	4½	0	25	0	11⅔	14	60	13	4	3	0	8	0	15	2
3	14	3	9½	2	5	2	4	0	24	0	11⅓	15	65	0	0	3	5	0	0	16	3
3	13	3	9	2	4	2	3½	0	23	0	11	16	69	6	8	3	9	4	0	17	4
3	12	3	8½	2	3	2	3	0	22	0	10⅔	17	73	13	4	3	13	8	0	18	5
3	11	3	8	2	2	2	2½	0	21	0	10	18	78	0	0	3	18	0	0	19	6
3	10	3	7½	2	1	2	2¼	0	20	0	9½	19	82	6	8	4	2	4	1	0	7
3	9	3	7	2	0	2	2	0	19	0	9	20	86	13	4	4	6	8	1	1	8
3	8	3	6½	1	27	2	1½	0	18	0	8½	21	91	0	0	4	11	0	1	2	9
3	7	3	6	1	26	2	1	0	17	0	8	22	95	6	8	4	15	4	1	3	10
3	6	3	5½	1	25	2	0¾	0	16	0	7½	23	99	13	4	4	19	8	1	4	11
3	5	3	5¼	1	24	2	0½	0	15	0	7	24	104	0	0	5	4	0	1	6	0
3	4	3	5	1	23	2	0	0	14	0	6½	25	108	6	8	5	8	4	1	7	1
3	3	3	4½	1	22	1	11½	0	13	0	6	26	112	13	4	5	12	8	1	8	2
3	2	3	4	1	21	1	11	0	12	0	5½	27	117	0	0	5	17	0	1	9	3
3	1	3	3½	1	20	1	10½	0	11	0	5¼	28	121	6	8	6	1	4	1	10	4
3	0	3	3	1	19	1	10	0	10	0	5	29	125	13	4	6	5	8	1	11	5
2	27	3	2½	1	18	1	9½	0	9	0	4½	30	130	0	0	6	10	0	1	12	6
2	26	3	2	1	17	1	9	0	8	0	4	31	134	6	8	6	14	4	1	13	7
2	25	3	1½	1	16	1	8½	0	7	0	3½	32	138	13	4	6	18	8	1	14	8
2	24	3	1	1	15	1	8	0	6	0	3	33	143	0	0	7	3	0	1	15	9
2	23	3	0½	1	14	1	7½	0	5	0	2½	34	147	6	8	7	7	4	1	16	10
2	22	3	0	1	13	1	7	0	4	0	2	35	151	13	4	7	11	8	1	17	11
2	21	2	11½	1	12	1	6½	0	3	0	1½	36	156	0	0	7	16	0	1	19	0
2	20	2	11	1	11	1	6	0	2	0	0⅔	37	160	6	8	8	0	4	2	0	1
2	19	2	10½	1	10	1	5½	0	1	0	0¼	38	164	13	4	8	4	8	2	1	2

£4 8s. 4d. per ton, 4s. 5d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£4 8s. 4d. per ton.			4s. 5d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yard, aver. 1s. 1½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	4	4¾	2	18	2	11	1	9	1	6	2	8	16	8	0	8	10	0	2	2½
3	26	4	4½	2	17	2	10½	1	8	1	5½	3	13	5	0	0	13	3	0	3	3¾
3	25	4	3¾	2	16	2	10	1	7	1	5	4	17	13	4	0	17	8	0	4	5
3	24	4	3	2	15	2	9½	1	6	1	4½	5	22	1	8	1	2	1	0	5	6¼
3	23	4	2¼	2	14	2	8¾	1	5	1	4	6	26	10	0	1	6	6	0	6	7½
3	22	4	2	2	13	2	8	1	4	1	3½	7	30	18	4	1	10	11	0	7	8¾
3	21	4	1¾	2	12	2	7½	1	3	1	3	8	35	6	8	1	15	4	0	8	10
3	20	4	1	2	11	2	7	1	2	1	2¼	9	39	15	0	1	19	9	0	9	11¼
3	19	4	0¼	2	10	2	6¼	1	1	1	2	10	44	3	4	2	4	2	0	11	0½
3	18	4	0	2	9	2	6	1	0	1	1½	11	48	11	8	2	8	7	0	12	1¾
3	17	3	11¾	2	8	2	5¼	0	27	1	1	12	53	0	0	2	13	0	0	13	3
3	16	3	11	2	7	2	5	0	26	1	0¼	13	57	8	4	2	17	5	0	14	4¼
3	15	3	10¼	2	6	2	4¼	0	25	1	0	14	61	16	8	3	1	10	0	15	5¼
3	14	3	9¾	2	5	2	4¼	0	24	0	11¾	15	66	5	0	3	6	3	0	16	6¾
3	13	3	9¼	2	4	2	4	0	23	0	11	16	70	13	4	3	10	8	0	17	8
3	12	3	9	2	3	2	3¼	0	22	0	10¾	17	75	1	8	3	15	1	0	18	9¼
3	11	3	8¾	2	2	2	3¼	0	21	0	10	18	79	10	0	3	19	6	0	19	10¼
3	10	3	8	2	1	2	3	0	20	0	9¼	19	83	18	4	4	3	11	1	0	11¾
3	9	3	7¾	2	0	2	2¼	0	19	0	9	20	88	6	8	4	8	4	1	2	1
3	8	3	7	1	27	2	2	0	18	0	8¼	21	92	15	0	4	12	9	1	3	2¼
3	7	3	6¾	1	26	2	1¾	0	17	0	8	22	97	3	4	4	17	2	1	4	3½
3	6	3	6½	1	25	2	1½	0	16	0	7¼	23	101	11	8	5	1	7	1	5	4¾
3	5	3	6	1	24	2	1	0	15	0	7	24	106	0	0	5	6	0	1	6	6
3	4	3	5¼	1	23	2	0¼	0	14	0	6¼	25	110	8	4	5	10	5	1	7	7¼
3	3	3	5	1	22	2	0	0	13	0	6¼	26	114	16	8	5	14	10	1	8	8½
3	2	3	4¾	1	21	1	11¾	0	12	0	6	27	119	5	0	5	19	3	1	9	9¾
3	1	3	4	1	20	1	11	0	11	0	5½	28	123	13	4	6	3	8	1	10	11
3	0	3	3¾	1	19	1	10¼	0	10	0	5	29	128	1	8	6	8	1	1	12	0¼
2	27	3	3¼	1	18	1	10	0	9	0	4¼	30	132	10	0	6	12	6	1	13	1¼
2	26	3	3	1	17	1	9½	0	8	0	4	31	136	18	4	6	16	11	1	14	2¾
2	25	3	2¾	1	16	1	9	0	7	0	3¾	32	141	6	8	7	1	4	1	15	4
2	24	3	2	1	15	1	8¼	0	6	0	3	33	145	15	0	7	5	9	1	16	5¼
2	23	3	1¾	1	14	1	8¼	0	5	0	2¾	34	150	3	4	7	10	2	1	17	6¼
2	22	3	1	1	13	1	8	0	4	0	2	35	154	11	8	7	14	7	1	18	7¾
2	21	3	0¼	1	12	1	7¼	0	3	0	1¾	36	159	0	0	7	19	0	1	19	9
2	20	3	0	1	11	1	7	0	2	0	0¾	37	163	8	4	8	3	5	2	0	10¼
2	19	2	11¾	1	10	1	6¼	0	1	0	0¼	38	167	16	8	8	7	10	2	1	11½

£4 10s. per ton, 4s. 6d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£4 10s. per ton.			4s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 1s. 1½d.		
qr.	lb	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	4	5¾	2	18	2	11½	1	9	1	6	2	9	0	0	0	9	0	0	2	3
3	26	4	5½	2	17	2	11	1	8	1	5½	3	13	10	0	0	13	6	0	3	4½
3	25	4	4¾	2	16	2	10½	1	7	1	5	4	18	0	0	0	18	0	0	4	6
3	24	4	4½	2	15	2	10	1	6	1	4½	5	22	10	0	1	2	6	0	5	7½
3	23	4	4	2	14	2	9½	1	5	1	4	6	27	0	0	1	7	0	0	6	9
3	22	4	3½	2	13	2	9	1	4	1	3½	7	31	10	0	1	11	6	0	7	10½
3	21	4	3	2	12	2	8¾	1	3	1	3	8	36	0	0	1	16	0	0	9	0
3	20	4	2½	2	11	2	8½	1	2	1	2½	9	40	10	0	2	0	6	0	10	1½
3	19	4	2	2	10	2	8	1	1	1	2	10	45	0	0	2	5	0	0	11	3
3	18	4	1½	2	9	2	7½	1	0	1	1½	11	49	10	0	2	9	6	0	12	4½
3	17	4	1	2	8	2	7	0	27	1	1	12	54	0	0	2	14	0	0	13	6
3	16	4	0½	2	7	2	6½	0	26	1	0½	13	58	10	0	2	18	6	0	14	7½
3	15	3	11½	2	6	2	6	0	25	1	0	14	63	0	0	3	3	0	0	15	9
3	14	3	11	2	5	2	5½	0	24	0	11½	15	67	10	0	3	7	6	0	16	10½
3	13	3	10½	2	4	2	5	0	23	0	11	16	72	0	0	3	12	0	0	18	0
3	12	3	10	2	3	2	4½	0	22	0	10½	17	76	10	0	3	16	6	0	19	1½
3	11	3	9½	2	2	2	4	0	21	0	10	18	81	0	0	4	1	0	1	0	3
3	10	3	9	2	1	2	3½	0	20	0	9½	19	85	10	0	4	5	6	1	1	4½
3	9	3	8½	2	0	2	3	0	19	0	9	20	90	0	0	4	10	0	1	2	6
3	8	3	8	1	27	2	2½	0	18	0	8½	21	94	10	0	4	14	6	1	3	7½
3	7	3	7½	1	26	2	2¼	0	17	0	8	22	99	0	0	4	19	0	1	4	9
3	6	3	7	1	25	2	2	0	16	0	7½	23	103	10	0	5	3	6	1	5	10½
3	5	3	6½	1	24	2	1½	0	15	0	7	24	108	0	0	5	8	0	1	7	0
3	4	3	6	1	23	2	1	0	14	0	6½	25	112	10	0	5	12	6	1	8	1½
3	3	3	5½	1	22	2	0½	0	13	0	6½	26	117	0	0	5	17	0	1	9	3
3	2	3	4¾	1	21	2	0	0	12	0	6	27	121	10	0	6	1	6	1	10	4½
3	1	3	4½	1	20	1	11½	0	11	0	5½	28	126	0	0	6	6	0	1	11	6
3	0	3	4¼	1	19	1	11	0	10	0	5	29	130	10	0	6	10	6	1	12	7½
2	27	3	4	1	18	1	10½	0	9	0	4½	30	135	0	0	6	15	0	1	13	9
2	26	3	3½	1	17	1	10	0	8	0	4	31	139	10	0	6	19	6	1	14	10½
2	25	3	3	1	16	1	9½	0	7	0	3½	32	144	0	0	7	4	0	1	16	0
2	24	3	2½	1	15	1	9	0	6	0	3	33	148	10	0	7	8	6	1	17	1½
2	23	3	2	1	14	1	8½	0	5	0	2½	34	153	0	0	7	13	0	1	18	3
2	22	3	1½	1	13	1	8	0	4	0	2	35	157	10	0	7	17	6	1	19	4½
2	21	3	1	1	12	1	7½	0	3	0	1½	36	162	0	0	8	2	0	2	0	6
2	20	3	0½	1	11	1	7	0	2	0	0¾	37	166	10	0	8	6	6	2	1	7½
2	19	3	0	1	10	1	6½	0	1	0	0¼	38	171	0	0	8	11	0	2	2	9

£4 11s. 8d. per ton, 4s. 7d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£4 11s. 8d. per ton.			4s. 7d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yd, average 1s. 1½d.		
qr.	lb.	s.	d.	qr	lb.	s.	d	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	4	6½	2	18	3	0	1	9	1	6½	2	9	3	4	0	9	2	0	2	3½
3	26	4	6½	2	17	2	11½	1	8	1	6	3	13	15	0	0	13	9	0	3	5½
3	25	4	6	2	16	2	11	1	7	1	5½	4	18	6	8	0	18	4	0	4	7
3	24	4	5½	2	15	2	10½	1	6	1	5	5	22	18	4	1	2	11	0	5	8½
3	23	4	5	2	14	2	10	1	5	1	4½	6	27	10	0	1	7	6	0	6	10½
3	22	4	4½	2	13	2	9½	1	4	1	4	7	32	1	8	1	12	1	0	8	0½
3	21	4	4	2	12	2	9	1	3	1	3½	8	36	13	4	1	16	8	0	9	2
3	20	4	3½	2	11	2	8½	1	2	1	3	9	41	5	0	2	1	3	0	10	3½
3	19	4	3	2	10	2	8	1	1	1	2½	10	45	16	8	2	5	10	0	11	5½
3	18	4	2½	2	9	2	7½	1	0	1	1½	11	50	8	4	2	10	15	0	12	7½
3	17	4	2	2	8	2	7	0	27	1	1½	12	55	0	0	2	15	0	0	13	9
3	16	4	1½	2	7	2	6½	0	26	1	0½	13	59	11	8	2	19	7	0	14	10½
3	15	4	0½	2	6	2	6	0	25	1	0	14	64	3	4	3	4	2	0	16	0½
3	14	4	0	2	5	2	5½	0	24	0	11½	15	68	15	0	3	8	9	0	17	2½
3	13	3	11½	2	4	2	5	0	23	0	11	16	73	6	8	3	13	4	0	18	4
3	12	3	11	2	3	2	4½	0	22	0	10½	17	77	18	4	3	17	11	0	19	5½
3	11	3	10½	2	2	2	4½	0	21	0	10	18	82	10	0	4	2	6	1	0	7½
3	10	3	10	2	1	2	4	0	20	0	9½	19	87	1	8	4	7	1	1	1	9½
3	9	3	9½	2	0	2	3½	0	19	0	9	20	91	13	4	4	11	8	1	2	11
3	8	3	9	1	27	2	3½	0	18	0	8½	21	96	5	0	4	16	3	1	4	0½
3	7	3	8½	1	26	2	3	0	17	0	8	22	100	16	8	5	0	10	1	5	2½
3	6	3	8	1	25	2	2½	0	16	0	7½	23	105	8	4	5	5	5	1	6	4½
3	5	3	7½	1	24	2	2	0	15	0	7	24	110	0	0	5	10	0	1	7	6
3	4	3	7	1	23	2	1½	0	14	0	6½	25	114	11	8	5	14	7	1	8	7½
3	3	3	6½	1	22	2	1	0	13	0	6½	26	119	3	4	5	19	2	1	9	9½
3	2	3	6½	1	21	2	0½	0	12	0	6	27	123	15	0	6	3	9	1	10	11½
3	1	3	5½	1	20	2	0	0	11	0	5½	28	128	6	8	6	8	4	1	12	1
3	0	3	5½	1	19	1	11½	0	10	0	5	29	132	18	4	6	12	11	1	13	2½
2	27	3	4½	1	18	1	11	0	9	0	4½	30	137	10	0	6	17	6	1	14	4½
2	26	3	4	1	17	1	10½	0	8	0	4	31	142	1	8	7	2	1	1	15	6½
2	25	3	3½	1	16	1	10	0	7	0	3½	32	146	13	4	7	6	8	1	16	8
2	24	3	3	1	15	1	9½	0	6	0	3	33	151	5	0	7	11	3	1	17	9½
2	23	3	2½	1	14	1	9	0	5	0	2½	34	155	16	8	7	15	10	1	18	11½
2	22	3	2	1	13	1	8½	0	4	0	2	35	160	8	4	8	0	5	2	0	1½
2	21	3	1½	1	12	1	8	0	3	0	1½	36	165	0	0	8	5	0	2	1	3
2	20	3	1	1	11	1	7½	0	2	0	0½	37	169	11	8	8	9	7	2	2	4½
2	19	3	0½	1	10	1	7	0	1	0	0½	38	174	3	4	8	14	2	2	3	6½

£4 13s. 4d. per ton, 4s. 8d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£4 13s. 4d. per ton.			4s. 8d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 1s. 2d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	4	7½	2	18	3	1	1	9 1 6½	2	9	6	8	0	9	4	0	2	4
3	26	4	7	2	17	3	0½	1	8 1 6	3	14	0	0	0	14	0	0	3	6
3	25	4	6½	2	16	3	0	1	7 1 5½	4	18	13	4	0	18	8	0	4	8
3	24	4	6	2	15	2	11½	1	6 1 5	5	23	6	8	1	3	4	0	5	10
3	23	4	5½	2	14	2	11	1	5 1 4½	6	28	0	0	1	8	0	0	7	0
3	22	4	5	2	13	2	10½	1	4 1 4	7	32	13	4	1	12	8	0	8	2
3	21	4	4½	2	12	2	10	1	3 1 3½	8	37	6	8	1	17	4	0	9	4
3	20	4	4	2	11	2	9½	1	2 1 3	9	42	0	0	2	2	0	0	10	6
3	19	4	3½	2	10	2	9	1	1 1 2½	10	46	13	4	2	6	8	0	11	8
3	18	4	3	2	9	2	8½	1	0 1 2	11	51	6	8	2	11	4	0	12	10
3	17	4	2½	2	8	2	8	0	27 1 1½	12	56	0	0	2	16	0	0	14	0
3	16	4	2	2	7	2	7½	0	26 1 1	13	60	13	4	3	0	8	0	15	2
3	15	4	1½	2	6	2	7	0	25 1 0½	14	65	6	8	3	5	4	0	16	4
3	14	4	1	2	5	2	6½	0	24 1 0	15	70	0	0	3	10	0	0	17	6
3	13	4	0½	2	4	2	6	0	23 0 11½	16	74	13	4	3	14	8	0	18	8
3	12	4	0	2	3	2	5½	0	22 0 11	17	79	6	8	3	19	4	0	19	10
3	11	3	11½	2	2	2	5	0	21 0 10½	18	84	0	0	4	4	0	1	1	0
3	10	3	11	2	1	2	4½	0	20 0 10	19	88	13	4	4	8	8	1	2	2
3	9	3	10½	2	0	2	4	0	19 0 9½	20	93	6	8	4	13	4	1	3	4
3	8	3	10	1	27	2	3½	0	18 0 9	21	98	0	0	4	18	0	1	4	6
3	7	3	9½	1	26	2	3	0	17 0 8½	22	102	13	4	5	2	8	1	5	8
3	6	3	9	1	25	2	2½	0	16 0 8	23	107	6	8	5	7	4	1	6	10
3	5	3	8½	1	24	2	2	0	15 0 7½	24	112	0	0	5	12	0	1	8	0
3	4	3	8	1	23	2	1½	0	14 0 7	25	116	13	4	5	16	8	1	9	2
3	3	3	7½	1	22	2	1	0	13 0 6½	26	121	6	8	6	1	4	1	10	4
3	2	3	7	1	21	2	0½	0	12 0 6	27	126	0	0	6	6	0	1	11	6
3	1	3	6½	1	20	2	0	0	11 0 5½	28	130	13	4	6	10	8	1	12	8
3	0	3	6	1	19	1	11½	0	10 0 5	29	135	6	8	6	15	4	1	13	10
2	27	3	5½	1	18	1	11	0	9 0 4½	30	140	0	0	7	0	0	1	15	0
2	26	3	5	1	17	1	10½	0	8 0 4	31	144	13	4	7	4	8	1	16	2
2	25	3	4½	1	16	1	10	0	7 0 3½	32	149	6	8	7	9	4	1	17	4
2	24	3	4	1	15	1	9½	0	6 0 3	33	154	0	0	7	14	0	1	18	6
2	23	3	3½	1	14	1	9	0	5 0 2½	34	158	13	4	7	18	8	1	19	8
2	22	3	3	1	13	1	8½	0	4 0 2	35	163	6	8	8	3	4	2	0	10
2	21	3	2½	1	12	1	8	0	3 0 1½	36	168	0	0	8	8	0	2	2	0
2	20	3	2	1	11	1	7½	0	2 0 1	37	172	13	4	8	12	8	2	3	2
2	19	3	1½	1	10	1	7	0	1 0 0½	38	177	6	8	8	17	4	2	4	4

Note—Average ½d. per lb.

£4 15s. per ton, 4s. 9d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£4 15s. per ton.			4s. 9d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day. ½yard, average 1s.2½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	4	8½	2	18	3	2	1	9	1	7	2	9	10	0	0	9	6	0	2	4½
3	26	4	8½	2	17	3	1½	1	8	1	6½	3	14	5	0	0	14	3	0	3	6¾
3	25	4	8	2	16	3	1	1	7	1	6	4	19	0	0	0	19	0	0	4	9
3	24	4	7½	2	15	3	0½	1	6	1	5½	5	23	15	0	1	3	9	0	5	11¼
3	23	4	7	2	14	3	0	1	5	1	5	6	28	10	0	1	8	6	0	7	1½
3	22	4	6½	2	13	2	11½	1	4	1	4½	7	33	5	0	1	13	3	0	8	3¾
3	21	4	6	2	12	2	11	1	3	1	4	8	38	0	0	1	18	0	0	9	6
3	20	4	5½	2	11	2	10½	1	2	1	3½	9	42	15	0	2	2	9	0	10	8¼
3	19	4	5	2	10	2	10	1	1	1	3	10	47	10	0	2	7	6	0	11	10½
3	18	4	4½	2	9	2	9½	1	0	1	2½	11	52	5	0	2	12	3	0	13	0¾
3	17	4	4	2	8	2	9	0	27	1	2	12	57	0	0	2	17	0	0	14	3
3	16	4	3½	2	7	2	8½	0	26	1	1½	13	61	15	0	3	1	9	0	15	5¼
3	15	4	2¾	2	6	2	8	0	25	1	1	14	66	10	0	3	6	6	0	16	7½
3	14	4	2	2	5	2	7½	0	24	1	0½	15	71	5	0	3	11	3	0	17	9¾
3	13	4	1½	2	4	2	7	0	23	1	0	16	76	0	0	3	16	0	0	19	0
3	12	4	1	2	3	2	6½	0	22	0	11½	17	80	15	0	4	0	9	1	0	2¼
3	11	4	0½	2	2	2	5¾	0	21	0	11	18	85	10	0	4	5	6	1	1	4½
3	10	4	0	2	1	2	5	0	20	0	10½	19	90	5	0	4	10	3	1	2	6¾
3	9	3	11½	2	0	2	4½	0	19	0	10	20	95	0	0	4	15	0	1	3	9
3	8	3	11	1	27	2	4	0	18	0	9½	21	99	15	0	4	19	9	1	4	11¼
3	7	3	10½	1	26	2	3½	0	17	0	9	22	104	10	0	5	4	6	1	6	1½
3	6	3	10	1	25	2	3	0	16	0	8½	23	109	5	0	5	9	3	1	7	3¾
3	5	3	9½	1	24	2	2½	0	15	0	8	24	114	0	0	5	14	0	1	8	6
3	4	3	9	1	23	2	2	0	14	0	7½	25	118	15	0	5	18	9	1	9	8¼
3	3	3	8½	1	22	2	1½	0	13	0	6½	26	123	10	0	6	3	6	1	10	10½
3	2	3	8	1	21	2	1	0	12	0	6	27	128	5	0	6	8	3	1	12	0¾
3	1	3	7½	1	20	2	0½	0	11	0	5½	28	133	0	0	6	13	0	1	13	3
3	0	3	7	1	19	2	0	0	10	0	5	29	137	15	0	6	17	9	1	14	5¼
2	27	3	6½	1	18	1	11½	0	9	0	4½	30	142	10	0	7	2	6	1	15	7½
2	26	3	6	1	17	1	11	0	8	0	4	31	147	5	0	7	7	3	1	16	9¾
2	25	3	5½	1	16	1	10½	0	7	0	3½	32	152	0	0	7	12	0	1	18	0
2	24	3	5	1	15	1	10	0	6	0	3	33	156	15	0	7	16	9	1	19	2¼
2	23	3	4½	1	14	1	9½	0	5	0	2½	34	161	10	0	8	1	6	2	0	4½
2	22	3	4	1	13	1	9	0	4	0	2	35	166	5	0	8	6	3	2	1	6¾
2	21	3	3½	1	12	1	8½	0	3	0	1½	36	171	0	0	8	11	0	2	2	9
2	20	3	3	1	11	1	8	0	2	0	1	37	175	15	0	8	15	9	2	3	11¼
2	19	3	2½	1	10	1	7½	0	1	0	0½	38	180	10	0	9	0	6	2	5	1½

£4 16s. 8d. per ton, 4s. 10d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£4 16s. 8d. per ton.			4s. 10d. per cwt. bush, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 1s. 2¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	4	9¾	2	18	3	2	1	9	1	7	2	9	13	4	0	9	8	0	2	5
3	26	4	9¼	2	17	3	1½	1	8	1	6¾	3	14	10	0	0	14	6	0	3	7½
3	25	4	9	2	16	3	1	1	7	1	6	4	19	6	8	0	19	4	0	4	10
3	24	4	8¾	2	15	3	0½	1	6	1	5¾	5	24	3	4	1	4	2	0	6	0½
3	23	4	8	2	14	3	0	1	5	1	5	6	29	0	0	1	9	0	0	7	3
3	22	4	7½	2	13	2	11½	1	4	1	4½	7	33	16	8	1	13	10	0	8	5½
3	21	4	7	2	12	2	11	1	3	1	4	8	38	13	4	1	18	8	0	9	8
3	20	4	6½	2	11	2	10½	1	2	1	3¾	9	43	10	0	2	3	6	0	10	10½
3	19	4	5¾	2	10	2	10	1	1	1	3	10	48	6	8	2	8	4	0	12	1
3	18	4	5	2	9	2	9½	1	0	1	2¼	11	53	3	4	2	13	2	0	13	3¾
3	17	4	4½	2	8	2	9	0	27	1	2	12	58	0	0	2	18	0	0	14	6
3	16	4	4	2	7	2	8½	0	26	1	1¼	13	62	16	8	3	2	10	0	15	8½
3	15	4	3½	2	6	2	8	0	25	1	1	14	67	13	4	3	7	8	0	16	11
3	14	4	2¾	2	5	2	7½	0	24	1	0¼	15	72	10	0	3	12	6	0	18	1¼
3	13	4	2	2	4	2	7	0	23	1	0	16	77	6	8	3	17	4	0	19	4
3	12	4	1½	2	3	2	6½	0	22	0	11¾	17	82	3	4	4	2	2	1	0	6½
3	11	4	1	2	2	2	6	0	21	0	11	18	87	0	0	4	7	0	1	1	9
3	10	4	0¼	2	1	2	5½	0	20	0	10¾	19	91	16	8	4	11	10	1	2	11¼
3	9	4	0	2	0	2	5	0	19	0	10	20	96	13	4	4	16	8	1	4	2
3	8	3	11½	1	27	2	4½	0	18	0	9¾	21	101	10	0	5	1	6	1	5	4½
3	7	3	11	1	26	2	4	0	17	0	9	22	106	6	8	5	6	4	1	6	7
3	6	3	10½	1	25	2	3½	0	16	0	8¾	23	111	3	4	5	11	2	1	7	9¾
3	5	3	10	1	24	2	3	0	15	0	8	24	116	0	0	5	16	0	1	9	0
3	4	3	9½	1	23	2	2½	0	14	0	7¾	25	120	16	8	6	0	10	1	10	2¼
3	3	3	9	1	22	2	2	0	13	0	7	26	125	13	4	6	5	8	1	11	5
3	2	3	8½	1	21	2	1½	0	12	0	6¾	27	130	10	0	6	10	6	1	12	7½
3	1	3	8	1	20	2	1	0	11	0	6	28	135	6	8	6	15	4	1	13	10
3	0	3	7½	1	19	2	0½	0	10	0	5¾	29	140	3	4	7	0	2	1	15	0¾
2	27	3	7	1	18	2	0	0	9	0	5	30	145	0	0	7	5	0	1	16	3
2	26	3	6½	1	17	1	11½	0	8	0	4¾	31	149	16	8	7	9	10	1	17	5½
2	25	3	5¾	1	16	1	10¾	0	7	0	4	32	154	13	4	7	14	8	1	18	8
2	24	3	5	1	15	1	10¼	0	6	0	3¾	33	159	10	0	7	19	6	1	19	10½
2	23	3	4¼	1	14	1	9¾	0	5	0	3	34	164	6	8	8	4	4	2	1	1
2	22	3	4	1	13	1	9	0	4	0	2¼	35	169	3	4	8	9	2	2	2	3¾
2	21	3	3¼	1	12	1	8¼	0	3	0	1¾	36	174	0	0	8	14	0	2	3	6
2	20	3	3	1	11	1	8	0	2	0	1	37	178	16	8	8	18	10	2	4	8¼
2	19	3	2¼	1	10	1	7¼	0	1	0	0¼	38	183	13	4	9	3	8	2	5	11

£4 18s. 4d. per ton, 4s. 11d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£4 18s. 4d. per ton.			4s. 11d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 1s. 2¾d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	4	10½	2	18	3	2½	1	9	1	7½	2	9	16	8	0	9	10	0	2	5½
3	26	4	10	2	17	3	2	1	8	1	7	3	14	15	0	0	14	9	0	3	8¼
3	25	4	9½	2	16	3	1½	1	7	1	6½	4	19	13	4	0	19	8	0	4	11
3	24	4	9	2	15	3	1	1	6	1	6	5	24	11	8	1	4	7	0	6	1¾
3	23	4	8½	2	14	3	0½	1	5	1	5½	6	29	10	0	1	9	6	0	7	4½
3	22	4	7½	2	13	3	0	1	4	1	5	7	34	8	4	1	14	5	0	8	7¼
3	21	4	7	2	12	2	11½	1	3	1	4½	8	39	6	8	1	19	4	0	9	10
3	20	4	6½	2	11	2	11	1	2	1	4	9	44	5	0	2	4	3	0	11	0¾
3	19	4	6	2	10	2	10½	1	1	1	3½	10	49	3	4	2	9	2	0	12	3½
3	18	4	5½	2	9	2	10	1	0	1	2¾	11	54	1	8	2	14	1	0	13	6¼
3	17	4	5	2	8	2	9½	0	27	1	2	12	59	0	0	2	19	0	0	14	9
3	16	4	4½	2	7	2	9	0	26	1	1¼	13	63	18	4	3	3	11	0	15	11¾
3	15	4	4	2	6	2	8½	0	25	1	1	14	68	16	8	3	8	10	0	17	2½
3	14	4	3½	2	5	2	8	0	24	1	0¾	15	73	15	0	3	13	9	0	18	5¼
3	13	4	3	2	4	2	7½	0	23	1	0	16	78	13	4	3	18	8	0	19	8
3	12	4	2½	2	3	2	7	0	22	0	11¾	17	83	11	8	4	3	7	1	0	10¾
3	11	4	2	2	2	2	6½	0	21	0	11	18	88	10	0	4	8	6	1	2	1¼
3	10	4	1½	2	1	2	6	0	20	0	10¼	19	93	8	4	4	13	5	1	3	4¼
3	9	4	1	2	0	2	5½	0	19	0	10	20	98	6	8	4	18	4	1	4	7
3	8	4	0½	1	27	2	5	0	18	0	9¾	21	103	5	0	5	3	3	1	5	9¾
3	7	3	11¾	1	26	2	4½	0	17	0	9	22	108	3	4	5	8	2	1	7	0¼
3	6	3	11¼	1	25	2	4	0	16	0	8¾	23	113	1	8	5	13	1	1	8	3¼
3	5	3	10¾	1	24	2	3½	0	15	0	8	24	118	0	0	5	18	0	1	9	6
3	4	3	10¼	1	23	2	2¾	0	14	0	7¼	25	122	18	4	6	2	11	1	10	8¾
3	3	3	9¾	1	22	2	2	0	13	0	6¾	26	127	16	8	6	7	10	1	11	11¼
3	2	3	9¼	1	21	2	1¼	0	12	0	6½	27	132	15	0	6	12	9	1	13	2¼
3	1	3	8¾	1	20	2	1	0	11	0	6	28	137	13	4	6	17	8	1	14	5
3	0	3	8¼	1	19	2	0¼	0	10	0	5¼	29	142	11	8	7	2	7	1	15	7¾
2	27	3	7¼	1	18	2	0	0	9	0	5	30	147	10	0	7	7	6	1	16	10¼
2	26	3	7	1	17	1	11¼	0	8	0	4½	31	152	8	4	7	12	5	1	18	1¼
2	25	3	6¼	1	16	1	11	0	7	0	4	32	157	6	8	7	17	4	1	19	4
2	24	3	6	1	15	1	10¼	0	6	0	3¼	33	162	5	0	8	2	3	2	0	6¾
2	23	3	5¼	1	14	1	10	0	5	0	3	34	167	3	4	8	7	2	2	1	9¼
2	22	3	4¾	1	13	1	9¼	0	4	0	2¼	35	172	1	8	8	12	1	2	3	0¼
2	21	3	4	1	12	1	9	0	3	0	1¾	36	177	0	0	8	17	0	2	4	3
2	20	3	3½	1	11	1	8¼	0	2	0	1	37	181	18	4	9	1	11	2	5	5¾
2	19	3	3	1	10	1	8	0	1	0	0¼	38	186	16	8	9	6	10	2	6	8¼

£5 per ton, 5s. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£5 per ton.			5s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yd., average 1s. 8d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	4	11½	2	18	3	3¾	1	9	1	8	2	10	0	0	0	10	0	0	2	6
3	26	4	11	2	17	3	3	1	8	1	7½	3	15	0	0	0	15	0	0	3	9
3	25	4	10½	2	16	3	2¼	1	7	1	7	4	20	0	0	1	0	0	0	5	0
3	24	4	10	2	15	3	2	1	6	1	6¼	5	25	0	0	1	5	0	0	6	3
3	23	4	9½	2	14	3	1¼	1	5	1	5¼	6	30	0	0	1	10	0	0	7	6
3	22	4	9	2	13	3	1	1	4	1	5	7	35	0	0	1	15	0	0	8	9
3	21	4	8½	2	12	3	0¼	1	3	1	4¼	8	40	0	0	2	0	0	0	10	0
3	20	4	8	2	11	2	11¾	1	2	1	4	9	45	0	0	2	5	0	0	11	3
3	19	4	7½	2	10	2	11	1	1	1	3½	10	50	0	0	2	10	0	0	12	6
3	18	4	7	2	9	2	10¼	1	0	1	3	11	55	0	0	2	15	0	0	13	9
3	17	4	6½	2	8	2	10	0	27	1	2¼	12	60	0	0	3	0	0	0	15	0
3	16	4	6	2	7	2	9¼	0	26	1	2	13	65	0	0	3	5	0	0	16	3
3	15	4	5½	2	6	2	9	0	25	1	1¾	14	70	0	0	3	10	0	0	17	6
3	14	4	4½	2	5	2	8¼	0	24	1	1	15	75	0	0	3	15	0	0	18	9
3	13	4	4	2	4	2	8	0	23	1	0¼	16	80	0	0	4	0	0	1	0	0
3	12	4	3½	2	3	2	7¼	0	22	1	0	17	85	0	0	4	5	0	1	1	3
3	11	4	3	2	2	2	7	0	21	0	11¾	18	90	0	0	4	10	0	1	2	6
3	10	4	2½	2	1	2	6¾	0	20	0	10½	19	95	0	0	4	15	0	1	3	9
3	9	4	2	2	0	2	6	0	19	0	10	20	100	0	0	5	0	0	1	5	0
3	8	4	1½	1	27	2	5½	0	18	0	9½	21	105	0	0	5	5	0	1	6	3
3	7	4	1	1	26	2	5	0	17	0	9	22	110	0	0	5	10	0	1	7	6
3	6	4	0½	1	25	2	4¼	0	16	0	8½	23	115	0	0	5	15	0	1	8	9
3	5	4	0	1	24	2	4	0	15	0	8	24	120	0	0	6	0	0	1	10	0
3	4	3	11½	1	23	2	3¾	0	14	0	7½	25	125	0	0	6	5	0	1	11	3
3	3	3	10½	1	22	2	3	0	13	0	7	26	130	0	0	6	10	0	1	12	6
3	2	3	10	1	21	2	2¼	0	12	0	6½	27	135	0	0	6	15	0	1	13	9
3	1	3	9½	1	20	2	1½	0	11	0	6	28	140	0	0	7	0	0	1	15	0
3	0	3	9	1	19	2	1	0	10	0	5½	29	145	0	0	7	5	0	1	16	3
2	27	3	8½	1	18	2	0¾	0	9	0	5	30	150	0	0	7	10	0	1	17	6
2	26	3	8	1	17	2	0	0	8	0	4½	31	155	0	0	7	15	0	1	18	9
2	25	3	7½	1	16	1	11¼	0	7	0	4	32	160	0	0	8	0	0	2	0	0
2	24	3	7	1	15	1	11	0	6	0	3½	33	165	0	0	8	5	0	2	1	3
2	23	3	6½	1	14	1	10¼	0	5	0	3	34	170	0	0	8	10	0	2	2	6
2	22	3	6	1	13	1	10	0	4	0	2½	35	175	0	0	8	15	0	2	3	9
2	21	3	5½	1	12	1	9¼	0	3	0	1¾	36	180	0	0	9	0	0	2	5	0
2	20	3	5	1	11	1	9	0	2	0	1	37	185	0	0	9	5	0	2	6	3
2	19	3	4½	1	10	1	8¼	0	1	0	0¼	38	190	0	0	9	10	0	2	7	6

£5 1s. 8d. per ton, 5s. 1d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£5 1s. 8d. per ton.			5s. 1d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 1s. 3¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	5	0¼	2	18	3	4½	1	9	1	8½	2	10	3	4	0	10	2	0	2	6½
3	26	5	0	2	17	3	4	1	8	1	8	3	15	5	0	0	15	3	0	3	9¾
3	25	4	11¾	2	16	3	3½	1	7	1	7¼	4	20	6	8	1	0	4	0	5	1
3	24	4	11	2	15	3	3	1	6	1	6½	5	25	8	4	1	5	5	0	6	4¼
3	23	4	10¼	2	14	3	2½	1	5	1	6	6	30	10	0	1	10	6	0	7	7¼
3	22	4	10	2	13	3	2	1	4	1	5½	7	35	11	8	1	15	7	0	8	10¾
3	21	4	9¼	2	12	3	1½	1	3	1	5	8	40	13	4	2	0	8	0	10	2
3	20	4	8½	2	11	3	1	1	2	1	4½	9	45	15	0	2	5	9	0	11	5¼
3	19	4	8	2	10	3	0¼	1	1	1	4	10	50	16	8	2	10	10	0	12	8½
3	18	4	7½	2	9	2	11¼	1	0	1	3½	11	55	18	4	2	15	11	0	13	11¾
3	17	4	7	2	8	2	11	0	27	1	3	12	61	0	0	3	1	0	0	15	3
3	16	4	6½	2	7	2	10½	0	26	1	2½	13	66	1	8	3	6	1	0	16	6½
3	15	4	6	2	6	2	10	0	25	1	2	14	71	3	4	3	11	2	0	17	9¼
3	14	4	5½	2	5	2	9¼	0	24	1	1¼	15	76	5	0	3	16	3	0	19	0¾
3	13	4	5	2	4	2	8¼	0	23	1	0½	16	81	6	8	4	1	4	1	0	4
3	12	4	4½	2	3	2	8	0	22	1	0	17	86	8	4	4	6	5	1	1	7¼
3	11	4	4	2	2	2	7¼	0	21	0	11½	18	91	10	0	4	11	6	1	2	10½
3	10	4	3½	2	1	2	7	0	20	0	11	19	96	11	8	4	16	7	1	4	1¾
3	9	4	3	2	0	2	6¼	0	19	0	10¼	20	101	13	4	5	1	8	1	5	5
3	8	4	2¼	1	27	2	6	0	18	0	9½	21	106	15	0	5	6	9	1	6	8¼
3	7	4	1½	1	26	2	5¼	0	17	0	9	22	111	16	8	5	11	10	1	7	11½
3	6	4	1	1	25	2	5	0	16	0	8½	23	116	18	4	5	16	11	1	9	2¾
3	5	4	0½	1	24	2	4½	0	15	0	8	24	122	0	0	6	2	0	1	10	6
3	4	4	0	1	23	2	4	0	14	0	7½	25	127	1	8	6	7	1	1	11	9¼
3	3	3	11¼	1	22	2	3¼	0	13	0	7	26	132	3	4	6	12	2	1	13	0½
3	2	3	11	1	21	2	2½	0	12	0	6½	27	137	5	0	6	17	3	1	14	3¾
3	1	3	10¼	1	20	2	2	0	11	0	6	28	142	6	8	7	2	4	1	15	7
3	0	3	9¾	1	19	2	1½	0	10	0	5½	29	147	8	4	7	7	5	1	16	10¼
2	27	3	9¼	1	18	2	1	0	9	0	5	30	152	10	0	7	12	6	1	18	1½
2	26	3	8¾	1	17	2	0½	0	8	0	4½	31	157	11	8	7	17	7	1	19	4¾
2	25	3	8¼	1	16	2	0	0	7	0	4	32	162	13	4	8	2	8	2	0	8
2	24	3	7¾	1	15	1	11½	0	6	0	3½	33	167	15	0	8	7	9	2	1	11¼
2	23	3	7¼	1	14	1	11	0	5	0	3	34	172	16	8	8	12	10	2	3	2¼
2	22	3	6¾	1	13	1	10½	0	4	0	2½	35	177	18	4	8	17	11	2	4	5¾
2	21	3	6	1	12	1	10	0	3	0	1¾	36	183	0	0	9	3	0	2	5	9
2	20	3	5¾	1	11	1	9¼	0	2	0	1¼	37	188	1	8	9	8	1	2	7	0¼
2	19	3	5	1	10	1	9	0	1	0	0½	38	193	3	4	9	13	2	2	8	3¾

£5 3s. 4d. per ton, 5s. 2d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£5 3s. 4d. per ton.			5s. 2d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 1s.3¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	5	1½	2	18	3	5	1	9	1	8½	2	10	6	8	0	10	4	0	2	7
3	26	5	1	2	17	3	4½	1	8	1	8	3	15	10	0	0	15	6	0	3	10½
3	25	5	0½	2	16	3	4	1	7	1	7½	4	20	13	4	1	0	8	0	5	2
3	24	4	11½	2	15	3	3½	1	6	1	7	5	25	16	8	1	5	10	0	6	5½
3	23	4	11	2	14	3	2½	1	5	1	6½	6	31	0	0	1	11	0	0	7	9
3	22	4	10½	2	13	3	2	1	4	1	5½	7	36	3	4	1	16	2	0	9	0½
3	21	4	10	2	12	3	1½	1	3	1	5	8	41	6	8	2	1	4	0	10	4
3	20	4	9½	2	11	3	1	1	2	1	4½	9	46	10	0	2	6	6	0	11	7½
3	19	4	9	2	10	3	0½	1	1	1	4	10	51	13	4	2	11	8	0	12	11
3	18	4	8½	2	9	2	11½	1	0	1	3½	11	56	16	8	2	16	10	0	14	2½
3	17	4	8	2	8	2	11	0	27	1	3	12	62	0	0	3	2	0	0	15	6
3	16	4	7½	2	7	2	10½	0	26	1	2½	13	67	3	4	3	7	2	0	16	9½
3	15	4	7	2	6	2	10	0	25	1	2	14	72	6	8	3	12	4	0	18	1
3	14	4	6½	2	5	2	9½	0	24	1	1½	15	77	10	0	3	17	6	0	19	4½
3	13	4	5½	2	4	2	9	0	23	1	1	16	82	13	4	4	2	8	1	0	8
3	12	4	5	2	3	2	8½	0	22	1	0½	17	87	16	8	4	7	10	1	1	11½
3	11	4	4½	2	2	2	8	0	21	0	11½	18	93	0	0	4	13	0	1	3	3
3	10	4	4	2	1	2	7½	0	20	0	11	19	98	3	4	4	18	2	1	4	6½
3	9	4	3½	2	0	2	7	0	19	0	10½	20	103	6	8	5	3	4	1	5	10
3	8	4	3	1	27	2	6½	0	18	0	10	21	108	10	0	5	8	6	1	7	1½
3	7	4	2½	1	26	2	6	0	17	0	9½	22	113	13	4	5	13	8	1	8	5
3	6	4	2	1	25	2	5½	0	16	0	8½	23	118	16	8	5	18	10	1	9	8½
3	5	4	1½	1	24	2	5	0	15	0	8	24	124	0	0	6	4	0	1	11	0
3	4	4	0½	1	23	2	4½	0	14	0	7½	25	129	3	4	6	9	2	1	12	3½
3	3	4	0	1	22	2	3½	0	13	0	7	26	134	6	8	6	14	4	1	13	7
3	2	3	11½	1	21	2	3	0	12	0	6½	27	139	10	0	6	19	6	1	14	10½
3	1	3	11	1	20	2	2½	0	11	0	6	28	144	13	4	7	4	8	1	16	2
3	0	3	10½	1	19	2	2	0	10	0	5½	29	149	16	8	7	9	10	1	17	5½
2	27	3	10	1	18	2	1½	0	9	0	5	30	155	0	0	7	15	0	1	18	9
2	26	3	9½	1	17	2	1	0	8	0	4½	31	160	3	4	8	0	2	2	0	0½
2	25	3	9	1	16	2	0½	0	7	0	4	32	165	6	8	8	5	4	2	1	4
2	24	3	8½	1	15	2	0	0	6	0	3½	33	170	10	0	8	10	6	2	2	7½
2	23	3	7½	1	14	1	11½	0	5	0	3	34	175	13	4	8	15	8	2	3	11
2	22	3	7	1	13	1	10½	0	4	0	2½	35	180	16	8	9	0	10	2	5	2½
2	21	3	6½	1	12	1	10	0	3	0	1½	36	186	0	0	9	6	0	2	6	6
2	20	3	6	1	11	1	9½	0	2	0	1½	37	191	3	4	9	11	2	2	7	9½
2	19	3	5½	1	10	1	9	0	1	0	0½	38	196	6	8	9	16	4	2	9	1

£5 5s. per ton, 5s. 3d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£5 5s. per ton.			5s. 3d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 1s. 3¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	5	2½	2	18	3	5	1	9	1	9	2	10	10	0	0	10	6	0	2	7½
3	26	5	2	2	17	3	4½	1	8	1	8½	3	15	15	0	0	15	9	0	3	11¼
3	25	5	1½	2	16	3	4	1	7	1	8	4	21	0	0	1	1	0	0	5	3
3	24	5	1	2	15	3	3½	1	6	1	7½	5	26	5	0	1	6	3	0	6	6¾
3	23	5	0½	2	14	3	3	1	5	1	6½	6	31	10	0	1	11	6	0	7	10½
3	22	4	11½	2	13	3	2½	1	4	1	6	7	36	15	0	1	16	9	0	9	2¼
3	21	4	11	2	12	3	2	1	3	1	5½	8	42	0	0	2	2	0	0	10	6
3	20	4	10½	2	11	3	1½	1	2	1	5	9	47	5	0	2	7	3	0	11	9¾
3	19	4	9½	2	10	3	1	1	1	1	4½	10	52	10	0	2	12	6	0	13	1½
3	18	4	9	2	9	3	0½	1	0	1	3¾	11	57	15	0	2	17	9	0	14	5¼
3	17	4	8½	2	8	2	11½	0	27	1	3¼	12	63	0	0	3	3	0	0	15	9
3	16	4	7¾	2	7	2	11	0	26	1	2¾	13	68	5	0	3	8	3	0	17	0¾
3	15	4	7	2	6	2	10½	0	25	1	2¼	14	73	10	0	3	13	6	0	18	4½
3	14	4	6½	2	5	2	10	0	24	1	1¾	15	78	15	0	3	18	9	0	19	8¼
3	13	4	6	2	4	2	9½	0	23	1	1¼	16	84	0	0	4	4	0	1	1	0
3	12	4	5½	2	3	2	9	0	22	1	0¾	17	89	5	0	4	9	3	1	2	3¾
3	11	4	5	2	2	2	8½	0	21	1	0	18	94	10	0	4	14	6	1	3	7½
3	10	4	4½	2	1	2	8	0	20	0	11½	19	99	15	0	4	19	9	1	4	11¼
3	9	4	4	2	0	2	7½	0	19	0	10½	20	105	0	0	5	5	0	1	6	3
3	8	4	3½	1	27	2	7	0	18	0	10	21	110	5	0	5	10	3	1	7	6¾
3	7	4	3	1	26	2	6½	0	17	0	9½	22	115	10	0	5	15	6	1	8	10½
3	6	4	2½	1	25	2	6	0	16	0	9	23	120	15	0	6	0	9	1	10	2¼
3	5	4	2	1	24	2	5½	0	15	0	8½	24	126	0	0	6	6	0	1	11	6
3	4	4	1½	1	23	2	5	0	14	0	7¾	25	131	5	0	6	11	3	1	12	9¾
3	3	4	1	1	22	2	4½	0	13	0	7½	26	136	10	0	6	16	6	1	14	1½
3	2	4	0½	1	21	2	3¾	0	12	0	6¾	27	141	15	0	7	1	9	1	15	5¼
3	1	4	0	1	20	2	3	0	11	0	6	28	147	0	0	7	7	0	1	16	9
3	0	3	11½	1	19	2	2½	0	10	0	5½	29	152	5	0	7	12	3	1	18	0¾
2	27	3	10¾	1	18	2	2	0	9	0	5	30	157	10	0	7	17	6	1	19	4½
2	26	3	10	1	17	2	1½	0	8	0	4½	31	162	15	0	8	2	9	2	0	8¼
2	25	3	9½	1	16	2	1	0	7	0	4	32	168	0	0	8	8	0	2	2	0
2	24	3	8½	1	15	2	0½	0	6	0	3½	33	173	5	0	8	13	3	2	3	3¾
2	23	3	7¾	1	14	1	11¾	0	5	0	3	34	178	10	0	8	18	6	2	4	7½
2	22	3	7	1	13	1	11	0	4	0	2½	35	183	15	0	9	3	9	2	5	11¼
2	21	3	6½	1	12	1	10½	0	3	0	1¾	36	189	0	0	9	9	0	2	7	3
2	20	3	6	1	11	1	10	0	2	0	1	37	194	5	0	9	14	3	2	8	6¾
2	19	3	5½	1	10	1	9½	0	1	0	0½	38	199	10	0	9	19	6	2	9	10½

a Note—Average ½d. and one-fourth of a farthing per lb.

£5 6s. 8d. per ton, 5s. 4d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£5 6s. 8d. per ton.			5s. 4d. per cwt., bush., day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 1s. 4d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr	lbs.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	5	4½	2	18	3	6	1	9	1	9½	2	10	13	4	0	10	8	0	2	8
3	26	5	4	2	17	3	5½	1	8	1	9	3	16	0	0	0	16	0	0	4	0
3	25	5	3½	2	16	3	5	1	7	1	8½	4	21	6	8	1	1	4	0	5	4
3	24	5	2½	2	15	3	4½	1	6	1	7½	5	26	13	4	1	6	8	0	6	8
3	23	5	2	2	14	3	4	1	5	1	7	6	32	0	0	1	12	0	0	8	0
3	22	5	1½	2	13	3	3½	1	4	1	6½	7	37	6	8	1	17	4	0	9	4
3	21	5	0½	2	12	3	3	1	3	1	6	8	42	13	4	2	2	8	0	10	8
3	20	5	0	2	11	3	2½	1	2	1	5½	9	48	0	0	2	8	0	0	12	0
3	19	4	11½	2	10	3	1½	1	1	1	4½	10	53	6	8	2	13	4	0	13	4
3	18	4	11	2	9	3	1	1	0	1	4	11	58	13	4	2	18	8	0	14	8
3	17	4	10½	2	8	3	0½	0	27	1	3½	12	64	0	0	3	4	0	0	16	0
3	16	4	9½	2	7	3	0	0	26	1	3	13	69	6	8	3	9	4	0	17	4
3	15	4	8½	2	6	2	11½	0	25	1	2½	14	74	13	4	3	14	8	0	18	8
3	14	4	8	2	5	2	10½	0	24	1	1½	15	80	0	0	4	0	0	1	0	0
3	13	4	7½	2	4	2	10	0	23	1	1	16	85	6	8	4	5	4	1	1	4
3	12	4	7	2	3	2	9½	0	22	1	0½	17	90	13	4	4	10	8	1	2	8
3	11	4	6½	2	2	2	8½	0	21	1	0	18	96	0	0	4	16	0	1	4	0
3	10	4	5½	2	1	2	8	0	20	0	11½	19	101	6	8	5	1	4	1	5	4
3	9	4	5	2	0	2	7½	0	19	0	10½	20	106	13	4	5	6	8	1	6	8
3	8	4	4½	1	27	2	7	0	18	0	10	21	112	0	0	5	12	0	1	8	0
3	7	4	3½	1	26	2	6½	0	17	0	9½	22	117	6	8	5	17	4	1	9	4
3	6	4	3	1	25	2	5½	0	16	0	9	23	122	13	4	6	2	8	1	10	8
3	5	4	2½	1	24	2	5	0	15	0	8½	24	128	0	0	6	8	0	1	12	0
3	4	4	2	1	23	2	4½	0	14	0	8	25	133	6	8	6	13	4	1	13	4
3	3	4	1½	1	22	2	4	0	13	0	7½	26	138	13	4	6	18	8	1	14	8
3	2	4	1	1	21	2	3½	0	12	0	7	27	144	0	0	7	4	0	1	16	0
3	1	4	0½	1	20	2	3	0	11	0	6½	28	149	6	8	7	9	4	1	17	4
3	0	4	0	1	19	2	2½	0	10	0	5½	29	154	13	4	7	14	8	1	18	8
2	27	3	11½	1	18	2	2	0	9	0	5	30	160	0	0	8	0	0	2	0	0
2	26	3	10½	1	17	2	1½	0	8	0	4½	31	165	6	8	8	5	4	2	1	4
2	25	3	10	1	16	2	1	0	7	0	4	32	170	13	4	8	10	8	2	2	8
2	24	3	9½	1	15	2	0½	0	6	0	3½	33	176	0	0	8	16	0	2	4	0
2	23	3	9	1	14	2	0	0	5	0	3	34	181	6	8	9	1	4	2	5	4
2	22	3	8½	1	13	1	11½	0	4	0	2½	35	186	13	4	9	6	8	2	6	8
2	21	3	7½	1	12	1	11	0	3	0	1½	36	192	0	0	9	12	0	2	8	0
2	20	3	7	1	11	1	10½	0	2	0	1	37	197	6	8	9	17	4	2	9	4
2	19	3	6½	1	10	1	10	0	1	0	0½	38	202	13	4	10	2	8	2	10	8

£5 8s. 4d. per ton, 5s. 5d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£5 8s. 4d. per ton.			5s. 5d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 1s. 4¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	5	4¼	2	18	3	6¼	1	9	1	10	2	10	16	8	0	10	10	0	2	8¼
3	26	5	4	2	17	3	6	1	8	1	9½	3	16	5	0	0	16	3	0	4	0¾
3	25	5	3¾	2	16	3	5¼	1	7	1	8¾	4	21	13	4	1	1	8	0	5	5
3	24	5	3	2	15	3	5	1	6	1	8¼	5	27	1	8	1	7	1	0	6	9¼
3	23	5	2¼	2	14	3	4¼	1	5	1	7½	6	32	10	0	1	12	6	0	8	1½
3	22	5	1½	2	13	3	3½	1	4	1	7	7	37	18	4	1	17	11	0	9	5¾
3	21	5	1	2	12	3	3	1	3	1	6½	8	43	6	8	2	3	4	0	10	10
3	20	5	0¼	2	11	3	2¼	1	2	1	5¾	9	48	15	0	2	8	9	0	12	2¼
3	19	4	11¾	2	10	3	1¾	1	1	1	5	10	54	3	4	2	14	2	0	13	6¼
3	18	4	11	2	9	3	1	1	0	1	4¼	11	59	11	8	2	19	7	0	14	10¾
3	17	4	10¼	2	8	3	0¼	0	27	1	3¾	12	65	0	0	3	5	0	0	16	3
3	16	4	10	2	7	3	0	0	26	1	3¼	13	70	8	4	3	10	5	0	17	7¼
3	15	4	9¼	2	6	2	11¼	0	25	1	2¾	14	75	16	8	3	15	10	0	18	11¼
3	14	4	9	2	5	2	11	0	24	1	2¼	15	81	5	0	4	1	3	1	0	3¾
3	13	4	8¼	2	4	2	10¼	0	23	1	1¾	16	86	13	4	4	6	8	1	1	8
3	12	4	8	2	3	2	10	0	22	1	1¼	17	92	1	8	4	12	1	1	3	0¼
3	11	4	7¼	2	2	2	9¼	0	21	1	0¾	18	97	10	0	4	17	6	1	4	4¾
3	10	4	7	2	1	2	9	0	20	1	0	19	102	18	4	5	2	11	1	5	8¾
3	9	4	6¼	2	0	2	8½	0	19	0	11½	20	108	6	8	5	8	4	1	7	1
3	8	4	5½	1	27	2	8	0	18	0	10¾	21	113	15	0	5	13	9	1	8	5¼
3	7	4	5	1	26	2	7½	0	17	9	10	22	119	3	4	5	19	2	1	9	9½
3	6	4	4½	1	25	2	7	0	16	0	9½	23	124	11	8	6	4	7	1	11	1¾
3	5	4	3½	1	24	2	6½	0	15	0	8¾	24	130	0	0	6	10	0	1	12	6
3	4	4	3	1	23	2	5¾	0	14	0	8	25	135	8	4	6	15	5	1	13	10¼
3	3	4	2¼	1	22	2	5	0	13	0	7½	26	140	16	8	7	0	10	1	15	2¼
3	2	4	2	1	21	2	4¼	0	12	0	7	27	146	5	0	7	6	3	1	16	6¾
3	1	4	1½	1	20	2	4	0	11	0	6½	28	151	13	4	7	11	8	1	17	11
3	0	4	0¾	1	19	2	3¼	0	10	0	6	29	157	1	8	7	17	1	1	19	3¼
2	27	4	0	1	18	2	3	0	9	0	5½	30	162	10	0	8	2	6	2	0	7½
2	26	3	11¼	1	17	2	2¼	0	8	0	4¾	31	167	18	4	8	7	11	2	1	11¾
2	25	3	10½	1	16	2	2	0	7	0	4½	32	173	6	8	8	13	4	2	3	4
2	24	3	10	1	15	2	1½	0	6	0	3¾	33	178	15	0	8	18	9	2	4	8¼
2	23	3	9¼	1	14	2	1	0	5	0	3	34	184	3	4	9	4	2	2	6	0½
2	22	3	9	1	13	2	0¼	0	4	0	2¼	35	189	11	8	9	9	7	2	7	4¾
2	21	3	8½	1	12	2	0	0	3	0	2	36	195	0	0	9	15	0	2	8	9
2	20	3	7¾	1	11	1	11½	0	2	0	1½	37	200	8	4	10	0	5	2	10	1¼
2	19	3	7	1	10	1	10½	0	1	0	0¾	38	205	16	8	10	5	10	2	11	5½

£5 10s. per ton, 5s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£5 10s. per ton.			5s. 6d. per cwt. bushel, day or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 1s. 4½d.		
qr.	lb	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	5	5½	2	18	3	7½	1	9	1	9½	2	11	0	0	0	11	0	0	2	9
3	26	5	5	2	17	3	7	1	8	1	9	3	16	10	0	0	16	6	0	4	1½
3	25	5	4½	2	16	3	6½	1	7	1	8½	4	22	0	0	1	2	0	0	5	6
3	24	5	3½	2	15	3	6	1	6	1	8	5	27	10	0	1	7	6	0	6	10½
3	23	5	3	2	14	3	5½	1	5	1	7½	6	33	0	0	1	13	0	0	8	3
3	22	5	2½	2	13	3	4½	1	4	1	6½	7	38	10	0	1	18	6	0	9	7½
3	21	5	1½	2	12	3	4	1	3	1	6	8	44	0	0	2	4	0	0	11	0
3	20	5	1	2	11	3	3¼	1	2	1	5½	9	49	10	0	2	9	6	0	12	4½
3	19	5	0½	2	10	3	2½	1	1	1	5	10	55	0	0	2	15	0	0	13	9
3	18	5	0	2	9	3	2	1	0	1	4½	11	60	10	0	3	0	6	0	15	1½
3	17	4	11½	2	8	3	1½	0	27	1	4	12	66	0	0	3	6	0	0	16	6
3	16	4	10½	2	7	3	1	0	26	1	3½	13	71	10	0	3	11	6	0	17	10½
3	15	4	10½	2	6	3	0½	0	25	1	2½	14	77	0	0	3	17	0	0	19	3
3	14	4	9½	2	5	2	11½	0	24	1	2	15	82	10	0	4	2	6	1	0	7½
3	13	4	9	2	4	2	11	0	23	1	1½	16	88	0	0	4	8	0	1	2	0
3	12	4	8½	2	3	2	10½	0	22	1	0½	17	93	10	0	4	13	6	1	3	4½
3	11	4	8	2	2	2	10	0	21	1	0	18	99	0	0	4	19	0	1	4	9
3	10	4	7½	2	1	2	9½	0	20	0	11½	19	104	10	0	5	4	6	1	6	1½
3	9	4	6½	2	0	2	9	0	19	0	11	20	110	0	0	5	10	0	1	7	6
3	8	4	6	1	27	2	8½	0	18	0	10½	21	115	10	0	5	15	6	1	8	10½
3	7	4	5½	1	26	2	8	0	17	0	10	22	121	0	0	6	1	0	1	10	3
3	6	4	4½	1	25	2	7½	0	16	0	9½	23	126	10	0	6	6	6	1	11	7½
3	5	4	4	1	24	2	6½	0	15	0	9	24	132	0	0	6	12	0	1	13	0
3	4	4	3½	1	23	2	6	0	14	0	8½	25	137	10	0	6	17	6	1	14	4½
3	3	4	3	1	22	2	5½	0	13	0	7½	26	143	0	0	7	3	0	1	15	9
3	2	4	2½	1	21	2	4½	0	12	0	7	27	148	10	0	7	8	6	1	17	1½
3	1	4	2	1	20	2	4	0	11	0	6½	28	154	0	0	7	14	0	1	18	6
3	0	4	1½	1	19	2	3½	0	10	0	6	29	159	10	0	7	19	6	1	19	10½
2	27	4	1	1	18	2	3	0	9	0	5½	30	165	0	0	8	5	0	2	1	3
2	26	4	0½	1	17	2	2½	0	8	0	5	31	170	10	0	8	10	6	2	2	7½
2	25	3	11½	1	16	2	2	0	7	0	4½	32	176	0	0	8	16	0	2	4	0
2	24	3	11	1	15	2	1½	0	6	0	3½	33	181	10	0	9	1	6	2	5	4½
2	23	3	10½	1	14	2	0½	0	5	0	3	34	187	0	0	9	7	0	2	6	9
2	22	3	9½	1	13	2	0	0	4	0	2½	35	192	10	0	9	12	6	2	8	1½
2	21	3	9	1	12	1	11½	0	3	0	2	36	198	0	0	9	18	0	2	9	6
2	20	3	8½	1	11	1	11	0	2	0	1½	37	203	10	0	10	3	6	2	10	10½
2	19	3	8	1	10	1	10½	0	1	0	0½	38	209	0	0	10	9	0	2	12	3

£5 11s. 8d. per ton, 5s. 7d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£5 11s. 8d. per ton.			5s. 7d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day. ¼ yard, aver. 1s. 4¾d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	5	6¼	2	18	3	8	1	9	1	10¼	2	11	3	4	0	11	2	0	2	9¼
3	26	5	6	2	17	3	7¼	1	8	1	10	3	16	15	0	0	16	9	0	4	2¼
3	25	5	5¼	2	16	3	7	1	7	1	9¼	4	22	6	8	1	2	4	0	5	7
3	24	5	4¼	2	15	3	6¼	1	6	1	8¼	5	27	18	4	1	7	11	0	6	11¾
3	23	5	4	2	14	3	6	1	5	1	8	6	33	10	0	1	13	6	0	8	4½
3	22	5	3¾	2	13	3	5¼	1	4	1	7¼	7	39	1	8	1	19	1	0	9	9¼
3	21	5	3	2	12	3	4¾	1	3	1	6¾	8	44	13	4	2	4	8	0	11	2
3	20	5	2¾	2	11	3	4	1	2	1	6	9	50	5	0	2	10	3	0	12	6¾
3	19	8	1¾	2	10	3	3¼	1	1	1	5¼	10	55	16	8	2	15	10	0	13	11¼
3	18	5	1	2	9	3	3	1	0	1	4¾	11	61	8	4	3	1	5	0	15	4½
3	17	5	0¼	2	8	3	2¼	0	27	1	4¼	12	67	0	0	3	7	0	0	16	9
3	16	5	0	2	7	3	1½	0	26	1	4	13	72	11	8	3	12	7	0	18	1¾
3	15	4	11¾	2	6	3	1	0	25	1	3¼	14	78	3	4	3	18	2	0	19	6¼
3	14	4	10¾	2	5	3	0¼	0	24	1	2¼	15	83	15	0	4	3	9	1	0	11¼
3	13	4	10	2	4	2	11¾	0	23	1	2	16	89	6	8	4	9	4	1	2	4
3	12	4	9¼	2	3	2	11	0	22	1	1¼	17	94	18	4	4	14	11	1	3	8¾
3	11	4	9	2	2	2	10½	0	21	1	1	18	100	10	0	5	0	6	1	5	1¾
3	10	4	8¼	2	1	2	10	0	20	1	0¼	19	106	1	8	5	6	1	1	6	6¼
3	9	4	8	2	0	2	9¼	0	19	0	11¾	20	111	13	4	5	11	8	1	7	11
3	8	4	7¼	1	27	2	9	0	18	0	11	21	117	5	0	5	17	3	1	9	3¾
3	7	4	6¾	1	26	2	8¼	0	17	0	10¼	22	122	16	8	6	2	10	1	10	8¼
3	6	4	6	1	25	2	7½	0	16	0	9¼	23	128	8	4	6	8	5	1	12	1¼
3	5	4	5¼	1	24	2	7	0	15	0	9	24	134	0	0	6	14	0	1	13	6
3	4	4	4¾	1	23	2	6¼	0	14	0	8¼	25	139	11	8	6	19	7	1	14	10¾
3	3	4	4	1	22	2	6	0	13	0	7¾	26	145	3	4	7	5	2	1	16	3¼
3	2	4	3¼	1	21	2	5¼	0	12	0	7¼	27	150	15	0	7	10	9	1	17	8¼
3	1	4	3	1	20	2	5	0	11	0	6¾	28	156	6	8	7	16	4	1	19	1
3	0	4	2¾	1	19	2	4¼	0	10	0	6	29	161	18	4	8	1	11	2	0	5¾
2	27	4	1¾	1	18	2	3¾	0	9	0	5	30	167	10	0	8	7	6	2	1	10¼
2	26	4	1	1	17	2	3	0	8	0	4¾	31	173	1	8	8	13	1	2	3	3¼
2	25	4	0¼	1	16	2	2¼	0	7	0	4	32	178	13	4	8	18	8	2	4	8
2	24	3	11¼	1	15	2	2	0	6	0	3¼	33	184	5	0	9	4	3	2	6	0¾
2	23	3	11	1	14	2	1¼	0	5	0	3	34	189	16	8	9	9	10	2	7	5¼
2	22	3	10¼	1	13	2	0¾	0	4	0	2¼	35	195	8	4	9	15	5	2	8	10¼
2	21	3	9¾	1	12	2	0	0	3	0	2	36	201	0	0	10	1	0	2	10	3
2	20	3	9	1	11	1	11¼	0	2	0	1¾	37	206	11	8	10	6	7	2	11	7¾
2	19	3	8¼	1	10	1	11	0	1	0	0¼	38	212	3	4	10	12	2	2	13	0¼

£5 13s. 4d. per ton, 5s. 8d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£5 13s. 4d. per ton.			5s. 8d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 1s. 5d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	5	7⅛	2	18	3	8½	1	9	1	10½	2	11	6	8	0	11	4	0	2	10
3	26	5	7	2	17	3	7⅝	1	8	1	10	3	17	0	0	0	17	0	0	4	3
3	25	5	6¼	2	16	3	7	1	7	1	9½	4	22	13	4	1	2	8	0	5	8
3	24	5	5½	2	15	3	6⅛	1	6	1	8⅝	5	28	6	8	1	8	4	0	7	1
3	23	5	5	2	14	3	6	1	5	1	8	6	34	0	0	1	14	0	0	8	6
3	22	5	4¼	2	13	3	5¼	1	4	1	7½	7	39	13	4	1	19	8	0	9	11
3	21	5	4	2	12	3	5	1	3	1	7	8	45	6	8	2	5	4	0	11	4
3	20	5	3¼	2	11	3	4¼	1	2	1	6¼	9	51	0	0	2	11	0	0	12	9
3	19	5	2¼	2	10	3	3½	1	1	1	5½	10	56	13	4	2	16	8	0	14	2
3	18	5	2	2	9	3	3	1	0	1	5	11	62	6	8	3	2	4	0	15	7
3	17	5	1¼	2	8	3	2¼	0	27	1	4½	12	68	0	0	3	8	0	0	17	0
3	16	5	0⅝	2	7	3	1½	0	26	1	4	13	73	13	4	3	13	8	0	18	5
3	15	5	0	2	6	3	1	0	25	1	3½	14	79	6	8	3	19	4	0	19	10
3	14	4	11½	2	5	3	0½	0	24	1	2½	15	85	0	0	4	5	0	1	1	3
3	13	4	10½	2	4	3	0	0	23	1	2	16	90	13	4	4	10	8	1	2	8
3	12	4	10	2	3	2	11½	0	22	1	1½	17	96	6	8	4	16	4	1	4	1
3	11	4	9½	2	2	2	11	0	21	1	0½	18	102	0	0	5	2	0	1	5	6
3	10	4	8⅝	2	1	2	10½	0	20	1	0	19	107	13	4	5	7	8	1	6	11
3	9	4	8	2	0	2	10	0	19	0	11	20	113	6	8	5	13	4	1	8	4
3	8	4	7⅛	1	27	2	9½	0	18	0	10⅝	21	119	0	0	5	19	0	1	9	9
3	7	4	7	1	26	2	8½	0	17	0	10	22	124	13	4	6	4	8	1	11	2
3	6	4	6½	1	25	2	8	0	16	0	9½	23	130	6	8	6	10	4	1	12	7
3	5	4	6	1	24	2	7½	0	15	0	9	24	136	0	0	6	16	0	1	14	0
3	4	4	5½	1	23	2	7	0	14	0	8½	25	141	13	4	7	1	8	1	15	5
3	3	4	4⅝	1	22	2	6½	0	13	0	8	26	147	6	8	7	7	4	1	16	10
3	2	4	4	1	21	2	5½	0	12	0	7½	27	153	0	0	7	13	0	1	18	3
3	1	4	3½	1	20	2	5	0	11	0	7	28	158	13	4	7	18	8	1	19	8
3	0	4	3	1	19	2	4½	0	10	0	6½	29	164	6	8	8	4	4	2	1	1
2	27	4	2½	1	18	2	3½	0	9	0	5½	30	170	0	0	8	10	0	2	2	6
2	26	4	1⅝	1	17	2	3	0	8	0	5	31	175	13	4	8	15	8	2	3	11
2	25	4	0⅝	1	16	2	2½	0	7	0	4⅝	32	181	6	8	9	1	4	2	5	4
2	24	4	0	1	15	2	2	0	6	0	4	33	187	0	0	9	7	0	2	6	9
2	23	3	11½	1	14	2	1½	0	5	0	3½	34	192	13	4	9	12	8	2	8	2
2	22	3	10⅝	1	13	2	1	0	4	0	2⅝	35	198	6	8	9	18	4	2	9	7
2	21	3	10	1	12	2	0½	0	3	0	2	36	204	0	0	10	4	0	2	11	0
2	20	3	9⅛	1	11	1	11⅛	0	2	0	1½	37	209	13	4	10	9	8	2	12	5
2	19	3	9	1	10	1	11	0	1	0	0⅝	38	215	6	8	10	15	4	2	13	10

£5 15s. per ton, 5s. 9d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£5 15s. per ton.			5s. 9d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 1s. 5¼d.		
qr.	lb	s.	d.	qr	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	5	8½	2	18	3	9¾	1	9	1	10⅜	2	11	10	0	0	11	6	0	2	10½
3	26	5	8	2	17	3	9	1	8	1	10¼	3	17	5	0	0	17	3	0	4	3¾
3	25	5	7½	2	16	3	8⅝	1	7	1	9½	4	23	0	0	1	3	0	0	5	9
3	24	5	6⅝	2	15	3	8	1	6	1	9	5	28	15	0	1	8	9	0	7	2¼
3	23	5	6	2	14	3	7⅝	1	5	1	8¼	6	34	10	0	1	14	6	0	8	7½
3	22	5	5¼	2	13	3	6¾	1	4	1	8	7	40	5	0	2	0	3	0	10	0¾
3	21	5	4⅝	2	12	3	6	1	3	1	7⅛	8	46	0	0	2	6	0	0	11	6
3	20	5	4	2	11	3	5⅜	1	2	1	7	9	51	15	0	2	11	9	0	12	11¼
3	19	5	3½	2	10	3	5	1	1	1	6⅛	10	57	10	0	2	17	6	0	14	4½
3	18	5	3	2	9	3	4⅜	1	0	1	5¼	11	63	5	0	3	3	3	0	15	9¾
3	17	5	2½	2	8	3	3¾	0	27	1	4⅜	12	69	0	0	3	9	0	0	17	3
3	16	5	1½	2	7	3	3	0	26	1	4¼	13	74	15	0	3	14	9	0	18	8¼
3	15	5	1	2	6	3	2⅛	0	25	1	3⅛	14	80	10	0	4	0	6	1	0	1½
3	14	5	0½	2	5	3	1½	0	24	1	2⅝	15	86	5	0	4	6	3	1	1	6¾
3	13	5	0	2	4	3	1	0	23	1	2¼	16	92	0	0	4	12	0	1	3	0
3	12	4	11¼	2	3	3	0⅛	0	22	1	1⅜	17	97	15	0	4	17	9	1	4	5½
3	11	4	10½	2	2	2	11⅛	0	21	1	1	18	103	10	0	5	3	6	1	5	10½
3	10	4	10	2	1	2	11	0	20	1	0½	19	109	5	0	5	9	3	1	7	3¾
3	9	4	9½	2	0	2	10⅛	0	19	0	11⅝	20	115	0	0	5	15	0	1	8	9
3	8	4	9	1	27	2	10	0	18	0	10¾	21	120	15	0	6	0	9	1	10	2¼
3	7	4	8½	1	26	2	9½	0	17	0	10	22	126	10	0	6	6	6	1	11	7½
3	6	4	7¾	1	25	2	8⅝	0	16	0	9⅛	23	132	5	0	6	12	3	1	13	0¾
3	5	4	7	1	24	2	8	0	15	0	9	24	138	0	0	6	18	0	1	14	6
3	4	4	6½	1	23	2	7⅛	0	14	0	8⅛	25	143	15	0	7	3	9	1	15	11¼
3	3	4	6	1	22	2	6⅛	0	13	0	8	26	149	10	0	7	9	6	1	17	4½
3	2	4	5½	1	21	2	6	0	12	0	7⅛	27	155	5	0	7	15	3	1	18	9¾
3	1	4	4½	1	20	2	5⅛	0	11	0	7	28	161	0	0	8	1	0	2	0	3
3	0	4	3¾	1	19	2	4⅛	0	10	0	6⅛	29	166	15	0	8	6	9	2	1	8¼
2	27	4	3½	1	18	2	4	0	9	0	6	30	172	10	0	8	12	6	2	3	1½
2	26	4	2½	1	17	2	3⅛	0	8	0	5¼	31	178	5	0	8	18	3	2	4	6¾
2	25	4	2	1	16	2	3	0	7	0	5	32	184	0	0	9	4	0	2	6	0
2	24	4	1½	1	15	2	2⅛	0	6	0	4⅛	33	189	15	0	9	9	9	2	7	5½
2	23	4	0¾	1	14	2	2	0	5	0	3½	34	195	10	0	9	15	6	2	8	10½
2	22	4	0	1	13	2	1½	0	4	0	2¾	35	201	5	0	10	1	3	2	10	3¾
2	21	3	11½	1	12	2	0⅝	0	3	0	2	36	207	0	0	10	7	0	2	11	9
2	20	3	11	1	11	2	0	0	2	0	1⅛	37	212	15	0	10	12	9	2	13	2¼
2	19	3	10½	1	10	1	11½	0	1	0	0½	38	218	10	0	10	18	6	2	14	7½

£5 16s. 8d. per ton, 5s. 10d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£5 16s. 8d. per ton.			5s. 10d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 1s. 5⅝d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	5	9⅓	2	18	3	10¼	1	9	1	11½	2	11	13	4	0	11	8	0	2	11
3	26	5	8⅔	2	17	3	9¼	1	8	1	10⅝	3	17	10	0	0	17	6	0	4	4½
3	25	5	8⅓	2	16	3	9	1	7	1	10	4	23	6	8	1	3	4	0	5	10
3	24	5	7⅔	2	15	3	8¼	1	6	1	9½	5	29	3	4	1	9	2	0	7	3½
3	23	5	7	2	14	3	7¼	1	5	1	8½	6	35	0	0	1	15	0	0	8	9
3	22	5	6½	2	13	3	7	1	4	1	7½	7	40	16	8	2	0	10	0	10	2½
3	21	5	6⅓	2	12	3	6⅓	1	3	1	7⅛	8	46	13	4	2	6	8	0	11	8
3	20	5	5	2	11	3	6	1	2	1	6½	9	52	10	0	2	12	6	0	13	1½
3	19	5	4⅔	2	10	3	5⅓	1	1	1	6	10	58	6	8	2	18	4	0	14	7
3	18	5	3⅔	2	9	3	4⅓	1	0	1	5⅛	11	64	3	4	3	4	2	0	16	0⅓
3	17	5	3	2	8	3	4	0	27	1	4⅝	12	70	0	0	3	10	0	0	17	6
3	16	5	2⅓	2	7	3	3⅓	0	26	1	4	13	75	16	8	3	15	10	0	18	11⅓
3	15	5	2	2	6	3	3	0	25	1	3½	14	81	13	4	4	1	8	1	0	5
3	14	5	1½	2	5	3	2⅓	0	24	1	2⅜	15	87	10	0	4	7	6	1	1	10½
3	13	5	0⅔	2	4	3	2	0	23	1	2	16	93	6	8	4	13	4	1	3	4
3	12	5	0	2	3	3	1⅓	0	22	1	1⅛	17	99	3	4	4	19	2	1	4	9⅓
3	11	4	11½	2	2	3	0⅔	0	21	1	0⅝	18	105	0	0	5	5	0	1	6	3
3	10	4	10⅓	2	1	2	11⅓	0	20	0	11¾	19	110	16	8	5	10	10	1	7	8⅓
3	9	4	10	2	0	2	11	0	19	0	11⅜	20	116	13	4	5	16	8	1	9	2
3	8	4	9⅓	1	27	2	10⅓	0	18	0	10⅝	21	122	10	0	6	2	6	1	10	7⅓
3	7	4	8⅔	1	26	2	9⅔	0	17	0	10¼	22	128	6	8	6	8	4	1	12	1
3	6	4	8	1	25	2	9	0	16	0	9½	23	134	3	4	6	14	2	1	13	6⅓
3	5	4	7⅓	1	24	2	8⅓	0	15	0	9⅛	24	140	0	0	7	0	0	1	15	0
3	4	4	6⅔	1	23	2	7⅔	0	14	0	8¾	25	145	16	8	7	5	10	1	16	5⅓
3	3	4	6	1	22	2	7	0	13	0	8¼	26	151	13	4	7	11	8	1	17	11
3	2	4	5⅓	1	21	2	6⅓	0	12	0	7⅞	27	157	10	0	7	17	6	1	19	4⅓
3	1	4	5	1	20	2	5⅔	0	11	0	7¼	28	163	6	8	8	3	4	2	0	10
3	0	4	4⅓	1	19	2	5	0	10	0	6⅞	29	169	3	4	8	9	2	2	2	3⅓
2	27	4	4	1	18	2	4⅓	0	9	0	6¼	30	175	0	0	8	15	0	2	3	9
2	26	4	3⅓	1	17	2	4	0	8	0	5⅝	31	180	16	8	9	0	10	2	5	2⅓
2	25	4	2⅔	1	16	2	3⅓	0	7	0	5	32	186	13	4	9	6	8	2	6	8
2	24	4	2	1	15	2	2⅔	0	6	0	4⅛	33	192	10	0	9	12	6	2	8	1⅓
2	23	4	1⅓	1	14	2	2⅓	0	5	0	3½	34	198	6	8	9	18	4	2	9	7
2	22	4	0⅔	1	13	2	1⅔	0	4	0	2⅞	35	204	3	4	10	4	2	2	11	0⅓
2	21	4	0	1	12	2	1	0	3	0	2	36	210	0	0	10	10	0	2	12	6
2	20	3	11⅓	1	11	2	0⅓	0	2	0	1⅓	37	215	16	8	10	15	10	2	13	11⅓
2	19	3	10⅔	1	10	2	0	0	1	0	0⅝	38	221	13	4	11	1	8	2	15	5

Note—Average ⅛d. and half of a farthing per lb.

£5 18s. 4d. per ton, 5s. 11d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£5 18s. 4d. per ton.			5s. 11d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd, average 1s. 5½d.		
qr.	lb.	s.	d.	qr	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	5	10¼	2	18	3	11	1	9	1	11¼	2	11	16	8	0	11	10	0	2	11¼
3	26	5	9¾	2	17	3	10½	1	8	1	11	3	17	15	0	0	17	9	0	4	5½
3	25	5	9	2	16	3	10	1	7	1	10¼	4	23	13	4	1	3	8	0	5	11
3	24	5	8½	2	15	3	9¼	1	6	1	9¾	5	29	11	8	1	9	7	0	7	4¾
3	23	5	8	2	14	3	8¾	1	5	1	9	6	35	10	0	1	15	6	0	8	10¼
3	22	5	7½	2	13	3	8	1	4	1	8½	7	41	8	4	2	1	5	0	10	4¾
3	21	5	6¾	2	12	3	7¼	1	3	1	8	8	47	6	8	2	7	4	0	11	10
3	20	5	6	2	11	3	7	1	2	1	7½	9	53	5	0	2	13	3	0	13	3¾
3	19	5	5¼	2	10	3	6¼	1	1	1	6¾	10	59	3	4	2	19	2	0	14	9¼
3	18	5	5	2	9	3	5½	1	0	1	5¾	11	65	1	8	3	5	1	0	16	3¼
3	17	5	4¾	2	8	3	5	0	27	1	5	12	71	0	0	3	11	0	0	17	9
3	16	5	3¾	2	7	3	4¼	0	26	1	4½	13	76	18	4	3	16	11	0	19	2¾
3	15	5	3	2	6	3	3½	0	25	1	4	14	82	16	8	4	2	10	1	0	8¾
3	14	5	2¼	2	5	3	3	0	24	1	3¼	15	88	15	0	4	8	9	1	2	2¼
3	13	5	1½	2	4	3	2¼	0	23	1	2½	16	94	13	4	4	14	8	1	3	8
3	12	5	1	2	3	3	1½	0	22	1	2	17	100	11	8	5	0	7	1	5	1¾
3	11	5	0¼	2	2	3	0¾	0	21	1	1¼	18	106	10	0	5	6	6	1	6	7¾
3	10	4	11½	2	1	3	0	0	20	1	0½	19	112	8	4	5	12	5	1	8	1¼
3	9	4	11	2	0	2	11½	0	19	1	0	20	118	6	8	5	18	4	1	9	7
3	8	4	10¼	1	27	2	11	0	18	0	11¼	21	124	5	0	6	4	3	1	11	0¾
3	7	4	9½	1	26	2	10¼	0	17	0	10¾	22	130	3	4	6	10	2	1	12	6¼
3	6	4	9	1	25	2	9½	0	16	0	10	23	136	1	8	6	16	1	1	14	0½
3	5	4	8¼	1	24	2	9	0	15	0	9½	24	142	0	0	7	2	0	1	15	6
3	4	4	7¾	1	23	2	8¼	0	14	0	8¾	25	147	18	4	7	7	11	1	16	11¾
3	3	4	7	1	22	2	7½	0	13	0	8¼	26	153	16	8	7	13	10	1	18	5½
3	2	4	6½	1	21	2	7	0	12	0	7¾	27	159	15	0	7	19	9	1	19	11¼
3	1	4	6	1	20	2	6¼	0	11	0	7¼	28	165	13	4	8	5	8	2	1	5
3	0	4	5¼	1	19	2	5½	0	10	0	6¾	29	171	11	8	8	11	7	2	2	10¾
2	27	4	4¾	1	18	2	5	0	9	0	6¼	30	177	10	0	8	17	6	2	4	4¾
2	26	4	4¼	1	17	2	4½	0	8	0	5¾	31	183	8	4	9	3	5	2	5	10¼
2	25	4	3½	1	16	2	4	0	7	0	5	32	189	6	8	9	9	4	2	7	4
2	24	4	3	1	15	2	3½	0	6	0	4½	33	195	5	0	9	15	3	2	8	9¾
2	23	4	2½	1	14	2	2¾	0	5	0	3¾	34	201	3	4	10	1	2	2	10	3¾
2	22	4	1½	1	13	2	2	0	4	0	2¾	35	207	1	8	10	7	1	2	11	9¼
2	21	4	1	1	12	2	1¼	0	3	0	2	36	213	0	0	10	13	0	2	13	3
2	20	4	0¼	1	11	2	0½	0	2	0	1½	37	218	18	4	10	18	11	2	14	8¾
2	19	3	11½	1	10	2	0¼	0	1	0	0¾	38	224	16	8	11	4	10	2	16	2¼

£6 per ton, 6s. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£6 per ton.			6s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 1s. 6d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	5	11½	2	18	3	11½	1	9	2	0	2	12	0	0	0	12	0	0	3	0
3	26	5	11	2	17	3	11	1	8	1	11½	3	18	0	0	0	18	0	0	4	6
3	25	5	10½	2	16	3	10½	1	7	1	11	4	24	0	0	1	4	0	0	6	0
3	24	5	9½	2	15	3	9½	1	6	1	10½	5	30	0	0	1	10	0	0	7	6
3	23	5	9	2	14	3	9	1	5	1	9½	6	36	0	0	1	16	0	0	9	0
3	22	5	8½	2	13	3	8½	1	4	1	9	7	42	0	0	2	2	0	0	10	6
3	21	5	7½	2	12	3	7½	1	3	1	8½	8	48	0	0	2	8	0	0	12	0
3	20	5	7	2	11	3	7	1	2	1	7½	9	54	0	0	2	14	0	0	13	6
3	19	5	6½	2	10	3	6½	1	1	1	6¾	10	60	0	0	3	0	0	0	15	0
3	18	5	5½	2	9	3	5½	1	0	1	6	11	66	0	0	3	6	0	0	16	6
3	17	5	5	2	8	3	5	0	27	1	5½	12	72	0	0	3	12	0	0	18	0
3	16	5	4½	2	7	3	4½	0	26	1	5	13	78	0	0	3	18	0	0	19	6
3	15	5	3½	2	6	3	3½	0	25	1	4½	14	84	0	0	4	4	0	1	1	0
3	14	5	3	2	5	3	3	0	24	1	3½	15	90	0	0	4	10	0	1	2	6
3	13	5	2½	2	4	3	2½	0	23	1	3	16	96	0	0	4	16	0	1	4	0
3	12	5	1½	2	3	3	1½	0	22	1	2½	17	102	0	0	5	2	0	1	5	6
3	11	5	1	2	2	3	1	0	21	1	1½	18	108	0	0	5	8	0	1	7	0
3	10	5	0½	2	1	3	0½	0	20	1	1	19	114	0	0	5	14	0	1	8	6
3	9	4	11½	2	0	3	0	0	19	1	0½	20	120	0	0	6	0	0	1	10	0
3	8	4	11	1	27	2	11½	0	18	0	11½	21	126	0	0	6	6	0	1	11	6
3	7	4	10½	1	26	2	10½	0	17	0	11	22	132	0	0	6	12	0	1	13	0
3	6	4	9½	1	25	2	10	0	16	0	10½	23	138	0	0	6	18	0	1	14	6
3	5	4	9	1	24	2	9½	0	15	0	9½	24	144	0	0	7	4	0	1	16	0
3	4	4	8½	1	23	2	8½	0	14	0	9	25	150	0	0	7	10	0	1	17	6
3	3	4	7½	1	22	2	8	0	13	0	8½	26	156	0	0	7	16	0	1	19	0
3	2	4	7	1	21	2	7½	0	12	0	8	27	162	0	0	8	2	0	2	0	6
3	1	4	6½	1	20	2	6½	0	11	0	7½	28	168	0	0	8	8	0	2	2	0
3	0	4	6	1	19	2	6	0	10	0	7	29	174	0	0	8	14	0	2	3	6
2	27	4	5½	1	18	2	5½	0	9	0	6½	30	180	0	0	9	0	0	2	5	0
2	26	4	4½	1	17	2	4½	0	8	0	5½	31	186	0	0	9	6	0	2	6	6
2	25	4	4	1	16	2	4	0	7	0	5½	32	192	0	0	9	12	0	2	8	0
2	24	4	3½	1	15	2	3½	0	6	0	4½	33	198	0	0	9	18	0	2	9	6
2	23	4	2½	1	14	2	3	0	5	0	3½	34	204	0	0	10	4	0	2	11	0
2	22	4	2	1	13	2	2½	0	4	0	3	35	210	0	0	10	10	0	2	12	6
2	21	4	1½	1	12	2	1½	0	3	0	2½	36	216	0	0	10	16	0	2	14	0
2	20	4	0½	1	11	2	1	0	2	0	1½	37	222	0	0	11	2	0	2	15	6
2	19	4	0	1	10	2	0½	0	1	0	0½	38	228	0	0	11	8	0	2	17	0

£6 1s. 8d. per ton, 6s. 1d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£6 1s. 8d. per ton.			6s. 1d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 1s. 6¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	0¼	2	18	4	0¼	1	9	2	0¼	2	12	3	4	0	12	2	0	3	0¼
3	26	6	0	2	17	3	11¾	1	8	1	11¾	3	18	5	0	0	18	3	0	4	6¾
3	25	5	11½	2	16	3	11	1	7	1	11	4	24	6	8	1	4	4	0	6	1
3	24	5	10¾	2	15	3	10¼	1	6	1	10¼	5	30	8	4	1	10	5	0	7	7½
3	23	5	10	2	14	3	9¼	1	5	1	9¼	6	36	10	0	1	16	6	0	9	1¾
3	22	5	9¼	2	13	3	9	1	4	1	9	7	42	11	8	2	2	7	0	10	7¼
3	21	5	8¾	2	12	3	8¼	1	3	1	8¼	8	48	13	4	2	8	8	0	12	2
3	20	5	8	2	11	3	8	1	2	1	7¾	9	54	15	0	2	14	9	0	13	8¼
3	19	5	7¼	2	10	3	7¼	1	1	1	7	10	60	16	8	3	0	10	0	15	2¾
3	18	5	6¾	2	9	3	6¾	1	0	1	6¼	11	66	18	4	3	6	11	0	16	8¾
3	17	5	6	2	8	3	6	0	27	1	5¾	12	73	0	0	3	13	0	0	18	3
3	16	5	5¼	2	7	3	5¼	0	26	1	5	13	79	1	8	3	19	1	0	19	9¼
3	15	5	4¾	2	6	3	4¾	0	25	1	4¼	14	85	3	4	4	5	2	1	1	3¾
3	14	5	4	2	5	3	3¾	0	24	1	3¾	15	91	5	0	4	11	3	1	2	9¾
3	13	5	3½	2	4	3	3	0	23	1	3	16	97	6	8	4	17	4	1	4	4
3	12	5	2¾	2	3	3	2¼	0	22	1	2¼	17	103	8	4	5	3	5	1	5	10¼
3	11	5	2	2	2	3	1¾	0	21	1	1¾	18	109	10	0	5	9	6	1	7	4¾
3	10	5	1½	2	1	3	1	0	20	1	1	19	115	11	8	5	15	7	1	8	10¾
3	9	5	0¾	2	0	3	0¼	0	19	1	0¼	20	121	13	4	6	1	8	1	10	5
3	8	5	0	1	27	3	0	0	18	0	11¾	21	127	15	0	6	7	9	1	11	11¼
3	7	4	11¼	1	26	2	11¼	0	17	0	11	22	133	16	8	6	13	10	1	13	5¾
3	6	4	10¾	1	25	2	10¾	0	16	0	10¾	23	139	18	4	6	19	11	1	14	11½
3	5	4	10	1	24	2	10	0	15	0	9¾	24	146	0	0	7	6	0	1	16	6
3	4	4	9¼	1	23	2	9¼	0	14	0	9	25	152	1	8	7	12	1	1	18	0¼
3	3	4	8¾	1	22	2	8¾	0	13	0	8¼	26	158	3	4	7	18	2	1	19	6¾
3	2	4	8	1	21	2	8	0	12	0	8	27	164	5	0	8	4	3	2	1	0½
3	1	4	7¼	1	20	2	7¼	0	11	0	7¼	28	170	6	8	8	10	4	2	2	7
3	0	4	6½	1	19	2	6¾	0	10	0	7	29	176	8	4	8	16	5	2	4	1¼
2	27	4	6¼	1	18	2	6	0	9	0	6¼	30	182	10	0	9	2	6	2	5	7¾
2	26	4	5¾	1	17	2	5¼	0	8	0	5½	31	188	11	8	9	8	7	2	7	1½
2	25	4	5	1	16	2	4¾	0	7	0	5¼	32	194	13	4	9	14	8	2	8	8
2	24	4	4¼	1	15	2	4	0	6	0	4¾	33	200	15	0	10	0	9	2	10	2¼
2	23	4	3¾	1	14	2	3¾	0	5	0	3¾	34	206	16	8	10	6	10	2	11	8¾
2	22	4	3	1	13	2	3	0	4	0	3	35	212	18	4	10	12	11	2	13	2¾
2	21	4	2¼	1	12	2	2¼	0	3	0	2¼	36	219	0	0	10	19	0	2	14	9
2	20	4	1¾	1	11	2	1¾	0	2	0	1¾	37	225	1	8	11	5	1	2	16	3¼
2	19	4	1	1	10	2	1	0	1	0	0¾	38	231	3	4	11	11	2	2	17	9¾

£6 3*s.* 4*d.* per ton, 6*s.* 2*d.* per cwt. — Rate per qr. cwt., stone, & lb.									No.	£6 3*s.* 4*d.* per ton.			6*s.* 3*d.* per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 1*s.* 6½*d.*		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	1½	2	18	4	0¾	1	9	2	0½	2	12	6	8	0	12	4	0	3	1
3	26	6	0¼	2	17	4	0	1	8	2	0	3	18	10	0	0	18	6	0	4	7½
3	25	6	0	2	16	3	11½	1	7	1	11½	4	24	13	4	1	4	8	0	6	2
3	24	5	11¼	2	15	3	11	1	6	1	10¼	5	30	16	8	1	10	10	0	7	8½
3	23	5	10¼	2	14	3	10½	1	5	1	10	6	37	0	0	1	17	0	0	9	3
3	22	5	10	2	13	3	9½	1	4	1	9¼	7	43	3	4	2	3	2	0	10	9½
3	21	5	9½	2	12	3	9	1	3	1	8½	8	49	6	8	2	9	4	0	12	4
3	20	5	9	2	11	3	8¼	1	2	1	7¼	9	55	10	0	2	15	6	0	13	10½
3	19	5	8½	2	10	3	7½	1	1	1	7	10	61	13	4	3	1	8	0	15	5
3	18	5	7¾	2	9	3	7	1	0	1	6½	11	67	16	8	3	7	10	0	16	11½
3	17	5	6¾	2	8	3	6¼	0	27	1	6	12	74	0	0	3	14	0	0	18	6
3	16	5	6	2	7	3	5½	0	26	1	5½	13	80	3	4	4	0	2	1	0	0½
3	15	5	5½	2	6	3	5	0	25	1	4½	14	86	6	8	4	6	4	1	1	7
3	14	5	4¾	2	5	3	4¼	0	24	1	4	15	92	10	0	4	12	6	1	3	1½
3	13	5	4	2	4	3	3½	0	23	1	3½	16	98	13	4	4	18	8	1	4	8
3	12	5	3¼	2	3	3	3	0	22	1	2½	17	104	16	8	5	4	10	1	6	2½
3	11	5	2½	2	2	3	2¼	0	21	1	2	18	111	0	0	5	11	0	1	7	9
3	10	5	2	2	1	3	1½	0	20	1	1½	19	117	3	4	5	17	2	1	9	3½
3	9	5	1¼	2	0	3	1	0	19	1	0¾	20	123	6	8	6	3	4	1	10	10
3	8	5	0½	1	27	3	0¼	0	18	1	0	21	129	10	0	6	9	6	1	12	4½
3	7	5	0	1	26	2	11¾	0	17	0	11½	22	135	13	4	6	15	8	1	13	11
3	6	4	11¼	1	25	2	11	0	16	0	10¾	23	141	16	8	7	1	10	1	15	5½
3	5	4	10½	1	24	2	10¼	0	15	0	10	24	148	0	0	7	8	0	1	17	0
3	4	4	10	1	23	2	9½	0	14	0	9¼	25	154	3	4	7	14	2	1	18	6½
3	3	4	9¼	1	22	2	9	0	13	0	8¾	26	160	6	8	8	0	4	2	0	1
3	2	4	8½	1	21	2	8¼	0	12	0	8	27	166	10	0	8	6	6	2	1	7
3	1	4	8	1	20	2	7½	0	11	0	7½	28	172	13	4	8	12	8	2	3	2½
3	0	4	7½	1	19	2	7	0	10	0	7	29	178	16	8	8	18	10	2	4	8
2	27	4	7	1	18	2	6¼	0	9	0	6¼	30	185	0	0	9	5	0	2	6	3½
2	26	4	6¼	1	17	2	5½	0	8	0	5¾	31	191	3	4	9	11	2	2	7	9½
2	25	4	5½	1	16	2	5	0	7	0	5¼	32	197	6	8	9	17	4	2	9	4
2	24	4	5	1	15	2	4¼	0	6	0	4¼	33	203	10	0	10	3	6	2	10	10½
2	23	4	4¼	1	14	2	3¾	0	5	0	3¾	34	209	13	4	10	9	8	2	12	5
2	22	4	3½	1	13	2	3	0	4	0	3	35	215	16	8	10	15	10	2	13	11½
2	21	4	2¾	1	12	2	2¼	0	3	0	2¼	36	222	0	0	11	2	0	2	15	6
2	20	4	2	1	11	2	1½	0	2	0	1½	37	228	3	4	11	8	2	2	17	0½
2	19	4	1¼	1	10	2	1¼	0	1	0	0¾	38	234	6	8	11	14	4	2	18	7

£6 5s. per ton, 6s. 3d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£6 5s. per ton.			6s. 3d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 1s. 6¼d.		
qr.	lb.	s.	d.	qr	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	2½	2	18	4	1½	1	9	2	1	2	12	10	0	0	12	6	0	3	1½
3	26	6	1½	2	17	4	1	1	8	2	0½	3	18	15	0	0	18	9	0	4	8½
3	25	6	1	2	16	4	0½	1	7	1	11½	4	25	0	0	1	5	0	0	6	3
3	24	6	0½	2	15	3	11½	1	6	1	11	5	31	5	0	1	11	3	0	7	9½
3	23	5	11½	2	14	3	10½	1	5	1	10½	6	37	10	0	1	17	6	0	9	4½
3	22	5	11	2	13	3	9½	1	4	1	9½	7	44	15	0	2	3	9	0	10	11½
3	21	5	10½	2	12	3	8½	1	3	1	8½	8	50	0	0	2	10	0	0	12	6
3	20	5	9½	2	11	3	8	1	2	1	8	9	56	5	0	2	16	3	0	14	0½
3	19	5	8½	2	10	3	7½	1	1	1	7½	10	62	10	0	3	2	6	0	15	7½
3	18	5	8	2	9	3	6½	1	0	1	6½	11	68	15	0	3	8	9	0	17	2½
3	17	5	7½	2	8	3	6	0	27	1	6	12	75	0	0	3	15	0	0	18	9
3	16	5	7	2	7	3	5½	0	26	1	5½	13	81	5	0	4	1	3	1	0	3½
3	15	5	6½	2	6	3	4½	0	25	1	4½	14	87	10	0	4	7	6	1	1	10½
3	14	5	5½	2	5	3	4	0	24	1	4	15	93	15	0	4	13	9	1	3	5½
3	13	5	5	2	4	3	3½	0	23	1	3½	16	100	0	0	5	0	0	1	5	0
3	12	5	4½	2	3	3	3	0	22	1	2½	17	106	5	0	5	6	3	1	6	6½
3	11	5	3½	2	2	3	2½	0	21	1	1½	18	112	10	0	5	12	6	1	8	1½
3	10	5	3	2	1	3	2	0	20	1	1	19	118	15	0	5	18	9	1	9	8½
3	9	5	2½	2	0	3	1½	0	19	1	0½	20	125	0	0	6	5	0	1	11	3
3	8	5	1½	1	27	3	1	0	18	0	11½	21	131	5	0	6	11	3	1	12	9½
3	7	5	0½	1	26	3	0½	0	17	0	11	22	137	10	0	6	17	6	1	14	4½
3	6	5	0	1	25	2	11½	0	16	0	10½	23	143	15	0	7	3	9	1	15	11½
3	5	4	11½	1	24	2	11	0	15	0	10	24	150	0	0	7	10	0	1	17	6
3	4	4	10½	1	23	2	10½	0	14	0	9½	25	156	5	0	7	16	3	1	19	0½
3	3	4	10	1	22	2	9½	0	13	0	8½	26	162	10	0	8	2	6	2	0	7½
3	2	4	9½	1	21	2	9	0	12	0	8½	27	168	15	0	8	8	9	2	2	2½
3	1	4	9	1	20	2	8½	0	11	0	7½	28	175	0	0	8	15	0	2	3	9
3	0	4	8½	1	19	2	7½	0	10	0	7½	29	181	5	0	9	1	3	2	5	3½
2	27	4	7½	1	18	2	7	0	9	0	6½	30	187	10	0	9	7	6	2	6	10½
2	26	4	7½	1	17	2	6½	0	8	0	6	31	193	15	0	9	13	9	2	8	5½
2	25	4	6½	1	16	2	5½	0	7	0	5½	32	200	0	0	10	0	0	2	10	0
2	24	4	6	1	15	2	5	0	6	0	4½	33	206	5	0	10	6	3	2	11	6½
2	23	4	5½	1	14	2	4½	0	5	0	3½	34	212	10	0	10	12	6	2	13	1½
2	22	4	4½	1	13	2	3½	0	4	0	3	35	218	15	0	10	18	9	2	14	8½
2	21	4	4	1	12	2	3	0	3	0	2½	36	225	0	0	11	5	0	2	16	3
2	20	4	3½	1	11	2	2½	0	2	0	1½	37	231	5	0	11	11	3	2	17	9½
2	19	4	2½	1	10	2	1½	0	1	0	0½	38	237	10	0	11	17	6	2	19	4½

£6 6s. 8d. per ton, 6s. 4d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£6 6s. 8d. per ton.			6s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 1s. 7d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	3½	2	18	4	2½	1	9	2	1½	2	12	13	4	0	12	8	0	3	2
3	26	6	3	2	17	4	1¾	1	8	2	0¾	3	19	0	0	0	19	0	0	4	9
3	25	6	2½	2	16	4	1	1	7	2	0	4	25	6	8	1	5	4	0	6	4
3	24	6	1½	2	15	4	0¼	1	6	1	11½	5	31	13	4	1	11	8	0	7	11
3	23	6	0¾	2	14	3	11½	1	5	1	10¾	6	38	0	0	1	18	0	0	9	6
3	22	6	0	2	13	3	11	1	4	1	10	7	44	6	8	2	4	4	0	11	1
3	21	5	11½	2	12	3	10½	1	3	1	9½	8	50	13	4	2	10	8	0	12	8
3	20	5	10½	2	11	3	9½	1	2	1	8½	9	57	0	0	2	17	0	0	14	3
3	19	5	9¾	2	10	3	9	1	1	1	7¾	10	63	6	8	3	3	4	0	15	10
3	18	5	9	2	9	3	8½	1	0	1	7	11	69	13	4	3	9	8	0	17	5
3	17	5	8¼	2	8	3	7½	0	27	1	6¼	12	76	0	0	3	16	0	0	19	0
3	16	5	7¾	2	7	3	6¾	0	26	1	5½	13	82	6	8	4	2	4	1	0	7
3	15	5	7	2	6	3	6	0	25	1	5	14	88	13	4	4	8	8	1	2	2
3	14	5	6¼	2	5	3	5¼	0	24	1	4¼	15	95	0	0	4	15	0	1	3	9
3	13	5	6	2	4	3	4½	0	23	1	3½	16	101	6	8	5	1	4	1	5	4
3	12	5	5¼	2	3	3	4	0	22	1	3	17	107	13	4	5	7	8	1	6	11
3	11	5	4¾	2	2	3	3¼	0	21	1	2¼	18	114	0	0	5	14	0	1	8	6
3	10	5	3¾	2	1	3	2½	0	20	1	1¾	19	120	6	8	6	0	4	1	10	1
3	9	5	3	2	0	3	2	0	19	1	1	20	126	13	4	6	6	8	1	11	8
3	8	5	2¼	1	27	3	1¼	0	18	1	0¼	21	133	0	0	6	13	0	1	13	3
3	7	5	1¾	1	26	3	0½	0	17	0	11½	22	139	6	8	6	19	4	1	14	10
3	6	5	0¾	1	25	3	0	0	16	0	10¾	23	145	13	4	7	5	8	1	16	5
3	5	5	0	1	24	2	11¼	0	15	0	10	24	152	0	0	7	12	0	1	18	0
3	4	4	11¼	1	23	2	10½	0	14	0	9¼	25	158	6	8	7	18	4	1	19	7
3	3	4	10¾	1	22	2	10	0	13	0	9	26	164	13	4	8	4	8	2	1	2
3	2	4	10	1	21	2	9¼	0	12	0	8¼	27	171	0	0	8	11	0	2	2	9
3	1	4	9¼	1	20	2	8½	0	11	0	7¾	28	177	6	8	8	17	4	2	4	4
3	0	4	9	1	19	2	8	0	10	0	7¼	29	183	13	4	9	3	8	2	5	11
2	27	4	8¼	1	18	2	7¼	0	9	0	6¾	30	190	0	0	9	10	0	2	7	6
2	26	4	7¾	1	17	2	6½	0	8	0	6	31	196	6	8	9	16	4	2	9	1
2	25	4	7	1	16	2	5¾	0	7	0	5¼	32	202	13	4	10	2	8	2	10	8
2	24	4	6¼	1	15	2	5	0	6	0	4½	33	209	0	0	10	9	0	2	12	3
2	23	4	5¾	1	14	2	4½	0	5	0	3¾	34	215	6	8	10	15	4	2	13	10
2	22	4	5	1	13	2	4	0	4	0	3	35	221	13	4	11	1	8	2	15	5
2	21	4	4¼	1	12	2	3¼	0	3	0	2¼	36	228	0	0	11	8	0	2	17	0
2	20	4	3½	1	11	2	2½	0	2	0	1½	37	234	6	8	11	14	4	2	18	7
2	19	4	3	1	10	2	2	0	1	0	0¾	38	240	13	4	12	0	8	3	0	2

£6 8s. 4d. per ton, 6s. 5d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£6 8s. 4d. per ton.			6s. 5d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd, average 1s. 7¼d.		
qr.	lb.	s.	d.	qr	lb.	s.	d	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	4¼	2	18	4	3½	1	9	2	2	2	12	16	8	0	12	10	0	3	2¼
3	26	6	3¾	2	17	4	2¾	1	8	2	1½	3	19	5	0	0	19	3	0	4	9¾
3	25	6	3	2	16	4	1¾	1	7	2	0¾	4	25	13	4	1	5	8	0	6	5
3	24	6	2¼	2	15	4	1	1	6	1	11¾	5	32	1	8	1	12	1	0	8	0¼
3	23	6	1¾	2	14	4	0¾	1	5	1	11	6	38	10	0	1	18	6	0	9	7¼
3	22	6	0¾	2	13	4	0	1	4	1	10¼	7	44	18	4	2	4	11	0	11	2¾
3	21	6	0	2	12	3	11¼	1	3	1	9¾	8	51	6	8	2	11	4	0	12	10
3	20	5	11¼	2	11	3	10¾	1	2	1	8¾	9	57	15	0	2	17	9	0	14	5¼
3	19	5	10¾	2	10	3	10	1	1	1	8	10	64	3	4	3	4	2	0	16	0¾
3	18	5	10	2	9	3	9¼	1	0	1	7¼	11	70	11	8	3	10	7	0	17	7¾
3	17	5	9¼	2	8	3	8¾	0	27	1	6¾	12	77	0	0	3	17	0	0	19	3
3	16	5	8¾	2	7	3	7¾	0	26	1	6	13	83	8	4	4	3	5	1	0	10¼
3	15	5	8	2	6	3	7	0	25	1	5¼	14	89	16	8	4	9	10	1	2	5¼
3	14	5	7¼	2	5	3	6¼	0	24	1	4¾	15	96	5	0	4	16	3	1	4	0¾
3	13	5	7	2	4	3	5¾	0	23	1	3¾	16	102	13	4	5	2	8	1	5	8
3	12	5	6¼	2	3	3	4¾	0	22	1	3	17	109	1	8	5	9	1	1	7	3¼
3	11	5	5¾	2	2	3	4	0	21	1	2¼	18	115	10	0	5	15	6	1	8	10¾
3	10	5	5	2	1	3	3¼	0	20	1	1½	19	121	18	4	6	1	11	1	10	5¾
3	9	5	4¼	2	0	3	2¾	0	19	1	1	20	128	6	8	6	8	4	1	12	1
3	8	5	3¾	1	27	3	2	0	18	1	0¼	21	134	15	0	6	14	9	1	13	8¼
3	7	5	3	1	26	3	1¼	0	17	0	11½	22	141	3	4	7	1	2	1	15	3¼
3	6	5	2¼	1	25	3	0¼	0	16	0	10¾	23	147	11	8	7	7	7	1	16	10¾
3	5	5	1¾	1	24	3	0	0	15	0	10	24	154	0	0	7	14	0	1	18	6
3	4	5	0¾	1	23	2	11¼	0	14	0	9¼	25	160	8	4	8	0	5	2	0	1¾
3	3	5	0	1	22	2	10¾	0	13	0	9	26	166	16	8	8	6	10	2	1	8¼
3	2	4	11¼	1	21	2	9¾	0	12	0	8¼	27	173	5	0	8	13	3	2	3	3¾
3	1	4	10¾	1	20	2	9	0	11	0	8	28	179	13	4	8	19	8	2	4	11
3	0	4	9¾	1	19	2	8¼	0	10	0	7¼	29	186	1	8	9	6	1	2	6	6¼
2	27	4	9	1	18	2	7¾	0	9	0	6¾	30	192	10	0	9	12	6	2	8	1¾
2	26	4	8¼	1	17	2	7	0	8	0	6	31	198	18	4	9	18	11	2	9	8¾
2	25	4	8	1	16	2	6½	0	7	0	5¼	32	205	6	8	10	5	4	2	11	4
2	24	4	7¼	1	15	2	5¾	0	6	0	4½	33	211	15	0	10	11	9	2	12	11¼
2	23	4	6¾	1	14	2	5	0	5	0	3¾	34	218	3	4	10	18	2	2	14	6¼
2	22	4	6	1	13	2	4½	0	4	0	3	35	224	11	8	11	4	7	2	16	1¾
2	21	4	5¼	1	12	2	3½	0	3	0	2¼	36	231	0	0	11	11	0	2	17	9
2	20	4	4¾	1	11	2	3	0	2	0	1¾	37	237	8	4	11	17	5	2	19	4¼
2	19	4	4	1	10	2	2¼	0	1	0	0¾	38	243	16	8	12	3	10	3	0	11¾

Note—Average ¼*d.* and three-fourths of a farthing per lb.

£6 10s. per ton, 6s. 6d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£6 10s. per ton.			6s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 1s. 7½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	5½	2	18	4	4	1 9	2	2		13	0	0	0	13	0	0	3	3
3	26	6	4⅔	2	17	4	3½	1 8	2	1½	3	19	10	0	0	19	6	0	4	10½
3	25	6	4	2	16	4	2½	1 7	2	0½	4	26	0	0	1	6	0	0	6	6
3	24	6	3½	2	15	4	1⅔	1 6	1	11⅔	5	32	10	0	1	12	6	0	8	1½
3	23	6	2½	2	14	4	1	1 5	1	11	6	39	0	0	1	19	0	0	9	9
3	22	6	2	2	13	4	0½	1 4	1	10½	7	45	10	0	2	5	6	0	11	4½
3	21	6	1½	2	12	3	11½	1 3	1	9½	8	52	0	0	2	12	0	0	13	0
3	20	6	0½	2	11	3	11	1 2	1	8⅔	9	58	10	0	2	18	6	0	14	7½
3	19	6	11⅔	2	10	3	10½	1 1	1	8½	10	65	0	0	3	5	0	0	16	3
3	18	5	11	2	9	3	9½	1 0	1	7½	11	71	10	0	3	11	6	0	17	10½
3	17	5	10½	2	8	3	8⅔	0 27	1	7	12	78	0	0	3	18	0	0	19	6
3	16	5	9½	2	7	3	8	0 26	1	6½	13	84	10	0	4	4	6	1	1	1½
3	15	5	9	2	6	3	7½	0 25	1	5½	14	91	0	0	4	11	0	1	2	9
3	14	5	8½	2	5	3	6½	0 24	1	4⅔	15	97	10	0	4	17	6	1	4	4½
3	13	5	7⅔	2	4	3	5⅔	0 23	1	4	16	104	0	0	5	4	0	1	6	0
3	12	5	7	2	3	3	5	0 22	1	3½	17	110	10	0	5	10	6	1	7	7½
3	11	5	6½	2	2	3	4½	0 21	1	2⅔	18	117	0	0	5	17	0	1	9	3
3	10	5	5½	2	1	3	3½	0 20	1	2	19	123	10	0	6	3	6	1	10	10½
3	9	5	5	2	0	3	3	0 19	1	1½	20	130	0	0	6	10	0	1	12	6
3	8	5	4½	1	27	3	2½	0 18	1	0½	21	136	10	0	6	16	6	1	14	1½
3	7	5	3½	1	26	3	1⅔	0 17	1	0	22	143	0	0	7	3	0	1	15	9
3	6	5	2⅔	1	25	3	0⅔	0 16	0	11½	23	149	10	0	7	9	6	1	17	4½
3	5	5	2	1	24	3	0	0 15	0	10½	24	156	0	0	7	16	0	1	19	0
3	4	5	1½	1	23	2	11½	0 14	0	9⅔	25	162	10	0	8	2	6	2	0	7½
3	3	5	0½	1	22	2	10½	0 13	0	9½	26	169	0	0	8	9	0	2	2	3
3	2	5	0	1	21	2	10	0 12	0	8½	27	175	10	0	8	15	6	2	3	10½
3	1	4	11½	1	20	2	9½	0 11	0	8	28	182	0	0	9	2	0	2	6	6
3	0	4	10½	1	19	2	8½	0 10	0	7½	29	188	10	0	9	8	6	2	7	1½
2	27	4	10	1	18	2	7⅔	0 9	0	6⅔	30	195	0	0	9	15	0	2	8	9
2	26	4	9½	1	17	2	7	0 8	0	6	31	201	10	0	10	1	6	2	10	4½
2	25	4	8½	1	16	2	6⅔	0 7	0	5½	32	208	0	0	10	8	0	2	12	0
2	24	4	8	1	15	2	6	0 6	0	4⅔	33	214	10	0	10	14	6	2	13	7½
2	23	4	7½	1	14	2	5⅔	0 5	0	3⅔	34	221	0	0	11	1	0	2	15	3
2	22	4	6½	1	13	2	5	0 4	0	3	35	227	10	0	11	7	6	2	16	10½
2	21	4	5⅔	1	12	2	4½	0 3	0	2½	36	234	0	0	11	14	0	2	18	6
2	20	4	5	1	11	2	3½	0 2	0	1½	37	240	10	0	12	0	6	3	0	1½
2	19	4	4½	1	10	2	2⅔	0 1	0	0½	38	247	0	0	12	7	0	3	1	9

£6 11s. 8d. per ton, 6s. 7d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£6 11s. 8d. per ton.			6s. 7d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yd., aver. 1s. 7½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	6¼	2	18	4	4½	1	9	2	2	2	12	3	4	0	13	2	0	3	8¼
3	26	6	5¾	2	17	4	3¼	1	8	2	1¼	3	19	5	0	0	19	9	0	4	11¼
3	25	6	5	2	16	4	3	1	7	2	0¾	4	26	6	8	1	6	4	0	6	7
3	24	6	4¾	2	15	4	2¼	1	6	2	0	5	32	18	4	1	12	11	0	8	2¾
3	23	6	3¼	2	14	4	1¾	1	5	1	11¼	6	39	10	0	1	19	6	0	9	10¼
3	22	6	3	2	13	4	1	1	4	1	10¼	7	46	1	8	2	6	1	0	11	6¼
3	21	6	2¼	2	12	4	0¼	1	3	1	9¾	8	52	13	4	2	12	8	0	13	2
3	20	6	1¾	2	11	3	11¼	1	2	1	9	9	59	5	0	2	19	3	0	14	9¾
3	19	6	0¾	2	10	3	10¾	1	1	1	8¼	10	65	16	8	3	5	10	0	16	5¼
3	18	6	0	2	9	3	10	1	0	1	7¾	11	72	8	4	3	12	5	0	18	1¼
3	17	5	11¼	2	8	3	9¼	0	27	1	7	12	79	0	0	3	19	0	0	19	9
3	16	5	10¾	2	7	3	8¼	0	26	1	6¼	13	85	11	8	4	5	7	1	1	4¾
3	15	5	10	2	6	3	7¾	0	25	1	5¾	14	92	3	4	4	12	2	1	3	0¼
3	14	5	9¼	2	5	3	7	0	24	1	4¾	15	98	15	0	4	18	9	1	4	8¼
3	13	5	8¾	2	4	3	6¼	0	23	1	4	16	105	6	8	5	5	4	1	6	4
3	12	5	8	2	3	3	5¼	0	22	1	3¼	17	111	18	4	5	11	11	1	7	11¾
3	11	5	7¼	2	2	3	4¾	0	21	1	2¾	18	118	10	0	5	18	6	1	9	7¼
3	10	5	6¾	2	1	3	4	0	20	1	1¾	19	125	1	8	6	5	1	1	11	3¾
3	9	5	5¾	2	0	3	3¼	0	19	1	1	20	131	18	4	6	11	8	1	12	11
3	8	5	5	1	27	3	2¾	0	18	1	0¼	21	138	5	0	6	18	3	1	14	6¾
3	7	5	4¼	1	26	3	2	0	17	0	11¾	22	144	16	8	7	4	10	1	16	2¾
3	6	5	3¾	1	25	3	1¼	0	16	0	11	23	151	8	4	7	11	5	1	17	10¼
3	5	5	3	1	24	3	0¼	0	15	0	10¼	24	158	0	0	7	18	0	1	19	6
3	4	5	2¼	1	23	3	0	0	14	0	9¾	25	164	11	8	8	4	7	2	1	1¾
3	3	5	1¾	1	22	2	11¼	0	13	0	9¼	26	171	3	4	8	11	2	2	2	9¼
3	2	5	0¾	1	21	2	10¾	0	12	0	8¾	27	177	15	0	8	17	9	2	4	5¼
3	1	5	0	1	20	2	9¾	0	11	0	8	28	184	6	8	9	4	4	2	6	1
3	0	4	11¼	1	19	2	9	0	10	0	7½	29	190	18	4	9	10	11	2	7	8¾
2	27	4	10¾	1	18	2	8¼	0	9	0	6¾	30	197	10	0	9	17	6	2	9	4¼
2	26	4	10	1	17	2	7¾	0	8	0	6	31	204	1	8	10	4	1	2	11	0¼
2	25	4	9¼	1	16	2	7	0	7	0	5¼	32	210	13	4	10	10	8	2	12	8
2	24	4	8¾	1	15	2	6¼	0	6	0	4¾	33	217	5	0	10	17	3	2	14	3¾
2	23	4	8	1	14	2	5¾	0	5	0	3¾	34	223	16	8	11	3	10	2	15	11¼
2	22	4	7¼	1	13	2	5	0	4	0	3	35	230	8	4	11	10	5	2	17	7¼
2	21	4	6¾	1	12	2	4¼	0	3	0	2¼	36	237	0	0	11	17	0	2	19	3
2	20	4	5¾	1	11	2	3¼	0	2	0	1¼	37	243	11	8	12	3	7	3	0	10¾
2	19	4	5	1	10	2	2¾	0	1	0	0¼	38	250	3	4	12	10	2	3	2	6¼

£6 13s. 4d. per ton, 6s. 8d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£6 13s. 4d. per ton.			6s. 8d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, average 1s. 8d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	7½	2	18	4	4½	1	9	2	2½	2	13	6	8	0	13	4	0	3	4
3	26	6	6½	2	17	4	4	1	8	2	1½	3	20	0	0	1	0	0	0	5	0
3	25	6	6	2	16	4	3½	1	7	2	1	4	26	13	4	1	6	8	0	6	8
3	24	6	5½	2	15	4	2½	1	6	2	0½	5	33	6	8	1	13	4	0	8	4
3	23	6	4½	2	14	4	2	1	5	1	11½	6	40	0	0	2	0	0	0	10	0
3	22	6	4	2	13	4	1½	1	4	1	10½	7	46	13	4	2	6	8	0	11	8
3	21	6	3½	2	12	4	0½	1	3	1	10	8	53	6	8	2	13	4	0	13	4
3	20	6	2½	2	11	4	0	1	2	1	9½	9	60	0	0	3	0	0	0	15	0
3	19	6	1½	2	10	3	11½	1	1	1	8½	10	66	13	4	3	6	8	0	16	8
3	18	6	1	2	9	3	10½	1	0	1	8	11	73	6	8	3	13	4	0	18	4
3	17	6	0½	2	8	3	9½	0	27	1	7½	12	80	0	0	4	0	0	1	0	0
3	16	5	11½	2	7	3	9	0	26	1	6½	13	86	13	4	4	6	8	1	1	8
3	15	5	10½	2	6	3	8½	0	25	1	6	14	93	6	8	4	13	4	1	3	4
3	14	5	10	2	5	3	7½	0	24	1	5½	15	100	0	0	5	0	0	1	5	0
3	13	5	9½	2	4	3	7	0	23	1	4½	16	106	13	4	5	6	8	1	6	8
3	12	5	8½	2	3	3	6½	0	22	1	3½	17	113	6	8	5	13	4	1	8	4
3	11	5	8	2	2	3	5½	0	21	1	3	18	120	0	0	6	0	0	1	10	0
3	10	5	7½	2	1	3	5	0	20	1	2½	19	126	13	4	6	6	8	1	11	8
3	9	5	6½	2	0	3	4	0	19	1	1½	20	133	6	8	6	13	4	1	13	4
3	8	5	5½	1	27	3	3½	0	18	1	0½	21	140	0	0	7	0	0	1	15	0
3	7	5	5	1	26	3	2½	0	17	1	0	22	146	13	4	7	6	8	1	16	8
3	6	5	4½	1	25	3	2	0	16	0	11½	23	153	6	8	7	13	4	1	18	4
3	5	5	3½	1	24	3	1½	0	15	0	10½	24	160	0	0	8	0	0	2	0	0
3	4	5	2½	1	23	3	0½	0	14	0	10	25	166	13	4	8	6	8	2	1	8
3	3	5	2	1	22	3	0	0	13	0	9½	26	173	6	8	8	13	4	2	3	4
3	2	5	1½	1	21	2	11½	0	12	0	9	27	180	0	0	9	0	0	2	5	0
3	1	5	0½	1	20	2	10½	0	11	0	8½	28	186	13	4	9	6	8	2	6	8
3	0	5	0	1	19	2	9½	0	10	0	7½	29	193	6	8	9	13	4	2	8	4
2	27	4	11½	1	18	2	9	0	9	0	6½	30	200	0	0	10	0	0	2	10	0
2	26	4	10½	1	17	2	8½	0	8	0	6	31	206	13	4	10	6	8	2	11	8
2	25	4	9½	1	16	2	7½	0	7	0	5½	32	213	6	8	10	13	4	2	13	4
2	24	4	9	1	15	2	6½	0	6	0	4½	33	220	0	0	11	0	0	2	15	0
2	23	4	8½	1	14	2	6	0	5	0	3½	34	226	13	4	11	6	8	2	16	8
2	22	4	7½	1	13	2	5½	0	4	0	3	35	233	6	8	11	13	4	2	18	4
2	21	4	6½	1	12	2	4½	0	3	0	2½	36	240	0	0	12	0	0	3	0	0
2	20	4	6	1	11	2	3½	0	2	0	1½	37	246	13	4	12	6	8	3	1	8
2	19	4	5½	1	10	2	3	0	1	0	0½	38	253	6	8	12	13	4	3	3	4

£6 15s. per ton, 6s. 9d. per cwt. Rate per qr. cwt., stone, and lb.									No.	£6 15s. per ton.			6s. 9d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 1s. 8¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	8½	2	18	4	5½	1	9	2	3	2	13	10	0	0	13	6	0	3	4½
3	26	6	7½	2	17	4	4½	1	8	2	2¼	3	20	5	0	1	0	3	0	5	0½
3	25	6	7	2	16	4	4	1	7	2	1½	.4	27	0	0	1	7	0	0	6	9
3	24	6	6½	2	15	4	3½	1	6	2	0¾	5	33	15	0	1	13	9	0	8	5½
3	23	6	5½	2	14	4	2½	1	5	2	0	6	40	10	0	2	0	6	0	10	1½
3	22	6	5	2	13	4	1½	1	4	1	11¼	7	47	5	0	2	7	3	0	11	9½
3	21	6	4½	2	12	4	1	1	3	1	10½	8	54	0	0	2	14	0	0	13	6
3	20	6	3½	2	11	4	0½	1	2	1	9¾	9	60	15	0	3	0	9	0	15	2½
3	19	6	2¾	2	10	3	11½	1	1	1	9	10	67	10	0	3	7	6	0	16	10½
3	18	6	2	2	9	3	10¾	1	0	1	8¼	11	74	5	0	3	14	3	0	18	6¾
3	17	6	1¼	2	8	3	10	0	27	1	7¾	12	81	0	0	4	1	0	1	0	3
3	16	6	0½	2	7	3	9½	0	26	1	7	13	87	15	0	4	7	9	1	1	11½
3	15	5	11¾	2	6	3	8½	0	25	1	6¼	14	94	10	0	4	14	6	1	3	7½
3	14	5	11	2	5	3	7½	0	24	1	5½	15	101	5	0	5	1	3	1	5	3¾
3	13	5	10½	2	4	3	7	0	23	1	4¾	16	108	0	0	5	8	0	1	7	0
3	12	5	9½	2	3	3	6½	0	22	1	4	17	114	15	0	5	14	9	1	8	8½
3	11	5	9	2	2	3	5½	0	21	1	3¼	18	121	10	0	6	1	6	1	10	4½
3	10	5	8½	2	1	3	5	0	20	1	2½	19	128	5	0	6	8	3	1	12	0¾
3	9	5	7½	2	0	3	4½	0	19	1	1¾	20	135	0	0	6	15	0	1	13	9
3	8	5	6¾	1	27	3	3¾	0	18	1	1	21	141	15	0	7	1	9	1	15	5½
3	7	5	6	1	26	3	3	0	17	1	0¼	22	148	10	0	7	8	6	1	17	1½
3	6	5	5½	1	25	3	2½	0	16	0	11½	23	155	5	0	7	15	3	1	18	9¾
3	5	5	4½	1	24	3	1½	0	15	0	10¾	24	162	0	0	8	2	0	2	0	6
3	4	5	3¾	1	23	3	0¾	0	14	0	10	25	168	15	0	8	8	9	2	2	2½
3	3	5	3	1	22	3	0	0	13	0	9½	26	175	10	0	8	15	6	2	3	10½
3	2	5	2½	1	21	2	11½	0	12	0	9	27	182	5	0	9	2	3	2	5	6¾
3	1	5	1½	1	20	2	10½	0	11	0	8¼	28	189	0	0	9	9	0	2	7	3
3	0	5	0¾	1	19	2	9¾	0	10	0	7½	29	195	15	0	9	15	9	2	8	11¼
2	27	5	0	1	18	2	9	0	9	0	6¾	30	202	10	0	10	2	6	2	10	7½
2	26	4	11½	1	17	2	8½	0	8	0	6	31	209	5	0	10	9	3	2	12	3¾
2	25	4	10¾	1	16	2	7½	0	7	0	5¼	32	216	0	0	10	16	0	2	14	0
2	24	4	10	1	15	2	7	0	6	0	4½	33	222	15	0	11	2	9	2	15	8¼
2	23	4	9½	1	14	2	6½	0	5	0	3¾	34	229	10	0	11	9	6	2	17	4½
2	22	4	8½	1	13	2	5¾	0	4	0	3	35	236	5	0	11	16	3	2	19	0¾
2	21	4	7¾	1	12	2	5	0	3	0	2¼	36	243	0	0	12	3	0	3	0	9
2	20	4	7	1	11	2	4¼	0	2	0	1½	37	249	15	0	12	9	9	3	2	5½
2	19	4	6½	1	10	2	3½	0	1	0	0¾	38	256	10	0	12	16	6	3	4	1¾

£6 16s. 8d. per ton, 6s. 10d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£6 16s. 8d. per ton.			4s. 10d. per cwt. bush, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 1s. 8½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	9¼	2	18	4	6	1	9	2	3	2	13	13	4	0	13	8	0	3	5
3	26	6	8¾	2	17	4	5¼	1	8	2	2¼	3	20	10	0	1	0	6	0	5	1¼
3	25	6	8	2	16	4	4¼	1	7	2	1¼	4	27	6	8	1	7	4	0	6	10
3	24	6	7¼	2	15	4	3¾	1	6	2	0¾	5	34	3	4	1	14	2	0	8	6¼
3	23	6	6¼	2	14	4	3¼	1	5	2	0	6	41	0	0	2	1	0	0	10	3
3	22	6	5¾	2	13	4	2¼	1	4	1	11¼	7	47	16	8	2	7	10	0	11	11¼
3	21	6	5	2	12	4	1¾	1	3	1	10¾	8	54	13	4	2	14	8	0	13	8
3	20	6	4¼	2	11	4	1	1	2	1	9¾	9	61	10	0	3	1	6	0	15	4¼
3	19	6	3¼	2	10	4	0¼	1	1	1	9	10	68	6	8	3	8	4	0	17	1
3	18	6	2¾	2	9	3	11¼	1	0	1	8¼	11	75	3	4	3	15	2	0	18	9¼
3	17	6	2	2	8	3	10¾	0	27	1	7¾	12	82	0	0	4	2	0	1	0	6
3	16	6	1¼	2	7	3	10	0	26	1	7	13	88	16	8	4	8	10	1	2	2¼
3	15	6	0¼	2	6	3	9¼	0	25	1	6¼	14	95	13	4	4	15	8	1	3	11
3	14	5	11¾	2	5	3	8¼	0	24	1	5¼	15	102	10	0	5	2	6	1	5	7¼
3	13	5	11	2	4	3	7¾	0	23	1	4¾	16	109	6	8	5	9	4	1	7	4
3	12	5	10¼	2	3	3	7	0	22	1	4	17	116	3	4	5	16	2	1	9	0¼
3	11	5	9¼	2	2	3	6¼	0	21	1	3¼	18	123	0	0	6	3	0	1	10	9
3	10	5	8¾	2	1	3	5¼	0	20	1	2¾	19	129	16	8	6	9	10	1	12	5¼
3	9	5	8	2	0	3	5	0	19	1	1¾	20	136	13	4	6	16	8	1	14	2
3	8	5	7¼	1	27	3	4¼	0	18	1	1	21	143	10	0	7	3	6	1	15	10¼
3	7	5	6¼	1	26	3	3¼	0	17	1	0¼	22	150	6	8	7	10	4	1	17	7
3	6	5	5¾	1	25	3	2¾	0	16	0	11¼	23	157	3	4	7	17	2	1	19	3¼
3	5	5	5	1	24	3	2	0	15	0	11	24	164	0	0	8	4	0	2	1	0
3	4	5	4¼	1	23	3	1¾	0	14	0	10¼	25	170	16	8	8	10	10	2	2	8¼
3	3	5	3¼	1	22	3	0¼	0	13	0	9¼	26	177	13	4	8	17	8	2	4	5
3	2	5	2¾	1	21	2	11¾	0	12	0	9	27	184	10	0	9	4	6	2	6	1¾
3	1	5	2	1	20	2	11	0	11	0	8¼	28	191	6	8	9	11	4	2	7	10
3	0	5	1¼	1	19	2	10¼	0	10	0	7¼	29	198	3	4	9	18	2	2	9	6¼
2	27	5	0¾	1	18	2	9¼	0	9	0	6¾	30	205	0	0	10	5	0	2	11	3
2	26	5	0	1	17	2	8¾	0	8	0	6	31	211	16	8	10	11	10	2	12	11¼
2	25	4	11¼	1	16	2	8	0	7	0	5¼	32	218	13	4	10	18	8	2	14	8
2	24	4	10¼	1	15	2	7¼	0	6	0	4¾	33	225	10	0	11	5	6	2	16	4¼
2	23	4	9¾	1	14	2	6¾	0	5	0	3¾	34	232	6	8	11	12	4	2	18	1
2	22	4	9	1	13	2	6	0	4	0	3	35	239	3	4	11	19	2	2	19	9¼
2	21	4	8¼	1	12	2	5¼	0	3	0	2¼	36	246	0	0	12	6	0	3	1	6
2	20	4	7¼	1	11	2	4¼	0	2	0	1¾	37	252	16	8	12	12	10	3	3	2¼
2	19	4	6¾	1	10	2	3¾	0	1	0	0¾	38	259	13	4	12	19	8	3	4	11

£6 18s. 4d. per ton, 6s. 11d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£6 18s. 4d. per ton.			6s. 11d. per cwt.; bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 1s. 8¾d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	10½	2	18	4	7	1	9	2	3½	2	13	16	[illegible]	0	13	10	0	3	5½
3	26	6	9¾	2	17	4	6½	1	8	2	2¾	3	20	15	(	1	0	9	0	5	2¾
3	25	6	9	2	16	4	5½	1	7	2	2	4	27	13	4	1	7	8	0	6	11
3	24	6	8¼	2	15	4	5	1	6	2	1¼	5	34	11	[illegible]	1	14	7	0	8	7¾
3	23	6	7½	2	14	4	4½	1	5	2	0½	6	41	10	0	2	1	6	0	10	4½
3	22	6	6¾	2	13	4	3½	1	4	1	11¾	7	48	8	4	2	8	5	0	12	1¼
3	21	6	6	2	12	4	2¾	1	3	1	11	8	55	6	8	2	15	4	0	13	10
3	20	6	5¼	2	11	4	2	1	2	1	10¼	9	62	5	0	3	2	3	0	15	6¾
3	19	6	4½	2	10	4	1¼	1	1	1	9½	10	69	3	4	3	9	2	0	17	3½
3	18	6	3¾	2	9	4	0½	1	0	1	8¾	11	76	1	8	3	16	1	0	19	0¼
3	17	6	3	2	8	3	11¾	0	27	1	8	12	83	0	0	4	3	0	1	0	9
3	16	6	2¼	2	7	3	11	0	26	1	7¼	13	89	18	4	4	9	11	1	2	5¾
3	15	6	1½	2	6	3	10¼	0	25	1	6½	14	96	16	8	4	16	10	1	4	2½
3	14	6	0¾	2	5	3	9½	0	24	1	5¾	15	103	15	0	5	3	9	1	5	11¼
3	13	6	0	2	4	3	8¾	0	23	1	5	16	110	13	4	5	10	8	1	7	8
3	12	5	11¼	2	3	3	8	0	22	1	4¼	17	117	11	8	5	17	7	1	9	4¾
3	11	5	10½	2	2	3	7¼	0	21	1	3½	18	124	10	0	6	4	6	1	11	1½
3	10	5	9¾	2	1	3	6	0	20	1	2¾	19	131	8	4	6	11	5	1	12	10¼
3	9	5	9	2	0	3	5½	0	19	1	2	20	138	6	8	6	18	4	1	14	7
3	8	5	8¼	1	27	3	4¾	0	18	1	1¼	21	145	5	0	7	5	3	1	16	3¾
3	7	5	7½	1	26	3	4	0	17	1	0½	22	152	3	4	7	12	2	1	18	0½
3	6	5	6¾	1	25	3	3½	0	16	0	11¾	23	159	1	8	7	19	1	1	19	9½
3	5	5	6	1	24	3	2½	0	15	0	11	24	166	0	0	8	6	0	2	1	6
3	4	5	5½	1	23	3	1¾	0	14	0	10¼	25	172	18	4	8	12	11	2	3	2¾
3	3	5	4½	1	22	3	1	0	13	0	9½	26	179	16	8	8	19	10	2	4	11½
3	2	5	3¾	1	21	3	0½	0	12	0	9	27	186	15	0	9	6	9	2	6	8¼
3	1	5	3	1	20	2	11½	0	11	0	8¼	28	193	13	4	9	13	8	2	8	5
3	0	5	2¼	1	19	2	10¾	0	10	0	7½	29	200	11	8	10	0	7	2	10	1¾
2	27	5	1¾	1	18	2	10	0	9	0	6¾	30	207	10	0	10	7	6	2	11	10½
2	26	5	1	1	17	2	9½	0	8	0	6	31	214	8	4	10	14	5	2	13	7¼
2	25	5	0½	1	16	2	8½	0	7	0	5¼	32	221	6	8	11	1	4	2	15	4
2	24	4	11¼	1	15	2	8	0	6	0	4½	33	228	5	0	11	8	3	2	17	0¾
2	23	4	10¾	1	14	2	7½	0	5	0	3¾	34	235	3	4	11	15	2	2	18	9½
2	22	4	10	1	13	2	6½	0	4	0	3	35	242	1	8	12	2	1	2	0	6½
2	21	4	9½	1	12	2	5¾	0	3	0	2½	36	249	0	0	12	9	0	3	2	3
2	20	4	8½	1	11	2	5	0	2	0	1½	37	255	18	4	12	15	11	3	3	11¾
2	19	4	7¾	1	10	2	4½	0	1	0	0¾	38	262	16	8	13	2	10	3	5	8½

£7 per ton, 7s. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£7 per ton.			7s. per cwt., bush., day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 1s. 9d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	11¼	2	18	4	7½	1	9	2	3¾	2	14	0	0	0	14	0	0	3	6
3	26	6	10½	2	17	4	6¾	1	8	2	3	3	21	0	0	1	1	0	0	5	3
3	25	6	9¾	2	16	4	6	1	7	2	2¼	4	28	0	0	1	8	0	0	7	0
3	24	6	9	2	15	4	5¼	1	6	2	1½	5	35	0	0	1	15	0	0	8	9
3	23	6	8¼	2	14	4	4½	1	5	2	0¾	6	42	0	0	2	2	0	0	10	6
3	22	6	7½	2	13	4	3¾	1	4	2	0	7	49	0	0	2	9	0	0	12	3
3	21	6	6¾	2	12	4	3	1	3	1	11¼	8	56	0	0	2	16	0	0	14	0
3	20	6	6	2	11	4	2¼	1	2	1	10½	9	63	0	0	3	3	0	0	15	9
3	19	6	5¼	2	10	4	1½	1	1	1	9¾	10	70	0	0	3	10	0	0	17	6
3	18	6	4½	2	9	4	0¾	1	0	1	9	11	77	0	0	3	17	0	0	19	3
3	17	6	3¾	2	8	4	0	0	27	1	8¼	12	84	0	0	4	4	0	1	1	0
3	16	6	3	2	7	3	11¼	0	26	1	7½	13	91	0	0	4	11	0	1	2	9
3	15	6	2¼	2	6	3	10½	0	25	1	6¾	14	98	0	0	4	18	0	1	4	6
3	14	6	1½	2	5	3	9¾	0	24	1	6	15	105	0	0	5	5	0	1	6	3
3	13	6	0¾	2	4	3	9	0	23	1	5¼	16	112	0	0	5	12	0	1	8	0
3	12	6	0	2	3	3	8¼	0	22	1	4½	17	119	0	0	5	19	0	1	9	9
3	11	5	11½	2	2	3	7½	0	21	1	3¾	18	126	0	0	6	6	0	1	11	6
3	10	5	10¼	2	1	3	6¾	0	20	1	3	19	133	0	0	6	13	0	1	13	3
3	9	5	9¾	2	0	3	6	0	19	1	2¼	20	140	0	0	7	0	0	1	15	0
3	8	5	9	1	27	3	5¼	0	18	1	1½	21	147	0	0	7	7	0	1	16	9
3	7	5	8¼	1	26	3	4½	0	17	1	0¾	22	154	0	0	7	14	0	1	18	6
3	6	5	7½	1	25	3	3¾	0	16	1	0	23	161	0	0	8	1	0	2	0	3
3	5	5	6¾	1	24	3	3	0	15	0	11¼	24	168	0	0	8	8	0	2	2	0
3	4	5	6	1	23	3	2¼	0	14	0	10½	25	175	0	0	8	15	0	2	3	9
3	3	5	5¼	1	22	3	1½	0	13	0	9¾	26	182	0	0	9	2	0	2	5	6
3	2	5	4½	1	21	3	0¾	0	12	0	9	27	189	0	0	9	9	0	2	7	3
3	1	5	3¾	1	20	3	0	0	11	0	8¼	28	196	0	0	9	16	0	2	9	0
3	0	5	3	1	19	2	11¼	0	10	0	7½	29	203	0	0	10	3	0	2	10	9
2	27	5	2¼	1	18	2	10½	0	9	0	6¾	30	210	0	0	10	10	0	2	12	6
2	26	5	1½	1	17	2	9¾	0	8	0	6	31	217	0	0	10	17	0	2	14	3
2	25	5	0¾	1	16	2	9	0	7	0	5¼	32	224	0	0	11	4	0	2	16	0
2	24	5	0	1	15	2	8¼	0	6	0	4½	33	231	0	0	11	11	0	2	17	9
2	23	4	11¼	1	14	2	7½	0	5	0	3¾	34	238	0	0	11	18	0	2	19	6
2	22	4	10½	1	13	2	6¾	0	4	0	3	35	245	0	0	12	5	0	3	1	3
2	21	4	9¾	1	12	2	6	0	3	0	2¼	36	252	0	0	12	12	0	3	3	0
2	20	4	9	1	11	2	5¼	0	2	0	1½	37	259	0	0	12	19	0	3	4	9
2	19	4	8¼	1	10	2	4½	0	1	0	0¾	38	266	0	0	13	6	0	3	6	6

Note—Average ¾d. per lb.

£7 5s. per ton, 7s. 3d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£7 5s. per ton.			7s. 3d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ dry, ¼ yard, aver. 1s. 9¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
3	27	7	2¼	2	18	4	8½	1	9	2	4¾	2	14	10	0	0	14	6	0	3	7¼
3	26	7	1½	2	17	4	7¾	1	8	2	4	3	21	15	0	1	1	9	0	5	5¼
3	25	7	0¾	2	16	4	7	1	7	2	3	4	29	0	0	1	9	0	0	7	3
3	24	7	0	2	15	4	6¼	1	6	2	2¼	5	36	5	0	1	16	3	0	9	0¾
3	23	6	11¼	2	14	4	5½	1	5	2	1½	6	43	10	0	2	3	6	0	10	10¼
3	22	6	10½	2	13	4	4¾	1	4	2	0¾	7	50	15	0	2	10	9	0	12	8¼
3	21	6	9¾	2	12	4	4	1	3	2	0	8	58	0	0	2	18	0	0	14	6
3	20	6	9	2	11	4	3¼	1	2	1	11¼	9	65	5	0	3	5	3	0	16	3¾
3	19	6	8¼	2	10	4	2¼	1	1	1	10¼	10	72	10	0	3	12	6	0	18	1½
3	18	6	7½	2	9	4	1¾	1	0	1	9¾	11	79	15	0	3	19	9	0	19	11¼
3	17	6	6¾	2	8	4	1	0	27	1	9	12	87	0	0	4	7	0	1	1	9
3	16	6	6	2	7	4	0¼	0	26	1	8¼	13	94	5	0	4	14	3	1	3	6¾
3	15	6	5¼	2	6	3	11½	0	25	1	7½	14	101	10	0	5	1	6	1	5	4½
3	14	6	4½	2	5	3	10¾	0	24	1	6¾	15	108	15	0	5	8	9	1	7	2¼
3	13	6	3¾	2	4	3	10	0	23	1	6	16	116	0	0	5	16	0	1	9	0
3	12	6	3	2	3	3	9¼	0	22	1	5	17	123	5	0	6	3	3	1	10	9¾
3	11	6	2¼	2	2	3	8½	0	21	1	4¼	18	130	10	0	6	10	6	1	12	7¼
3	10	6	1½	2	1	3	8	0	20	1	3½	19	137	15	0	6	17	9	1	14	5¼
3	9	6	0¾	2	0	3	7¼	0	19	1	2¾	20	145	0	0	7	5	0	1	16	3
3	8	6	0	1	27	3	6¾	0	18	1	2	21	152	5	0	7	12	3	1	18	0¾
3	7	5	11	1	26	3	6	0	17	1	1	22	159	10	0	7	19	6	1	19	10¼
3	6	5	10¼	1	25	3	5¼	0	16	1	0¾	23	166	15	0	8	6	9	2	1	8¼
3	5	5	9½	1	24	3	4½	0	15	0	11¾	24	174	0	0	8	14	0	2	3	6
3	4	5	8¾	1	23	3	3¾	0	14	0	10¾	25	181	5	0	9	1	3	2	5	3¾
3	3	5	7¾	1	22	3	3	0	13	0	10	26	188	10	0	9	8	6	2	7	1¾
3	2	5	7	1	21	3	2	0	12	0	9¼	27	195	15	0	9	15	9	2	8	11¼
3	1	5	6	1	20	3	1¼	0	11	0	8½	28	203	0	0	10	3	0	2	10	9
3	0	5	5¼	1	19	3	0¼	0	10	0	7¾	29	210	5	0	10	10	3	2	12	6¾
2	27	5	4¼	1	18	2	11¾	0	9	0	7	30	217	10	0	10	17	6	2	14	4½
2	26	5	3½	1	17	2	11	0	8	0	6	31	224	15	0	11	4	9	2	16	2¼
2	25	5	2½	1	16	2	10¼	0	7	0	5¼	32	232	0	0	11	12	0	2	18	0
2	24	5	1½	1	15	2	9¼	0	6	0	4½	33	239	5	0	11	19	3	2	19	9¾
2	23	5	0¾	1	14	2	8½	0	5	0	3¾	34	246	10	0	12	6	6	3	1	7½
2	22	4	11¾	1	13	2	7¾	0	4	0	3	35	253	15	0	12	13	9	3	3	5¼
2	21	4	11	1	12	2	7	0	3	0	2½	36	261	0	0	13	1	0	3	5	3
2	20	4	10	1	11	2	6¼	0	2	0	1½	37	268	5	0	13	8	3	3	7	0¾
2	19	4	9½	1	10	2	5½	0	1	0	0¾	38	275	10	0	13	15	6	3	8	10½

£7 10s. per ton, 7s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£7 10s. per ton.			7s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, av. 1s. 10½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	7	5½	2	18	4	11¾	1	9	2	6½	2	15	0	0	0	15	0	0	3	9
3	26	7	4½	2	17	4	11	1	8	2	5½	3	22	10	0	1	2	6	0	5	7½
3	25	7	3¾	2	16	4	10	1	7	2	4¾	4	30	0	0	1	10	0	0	7	6
3	24	7	3	2	15	4	9	1	6	2	3¾	5	37	10	0	1	17	6	0	9	4½
3	23	7	2	2	14	4	8½	1	5	2	3	6	45	0	0	2	5	0	0	11	3
3	22	7	1½	2	13	4	7½	1	4	2	2	7	52	10	0	2	12	6	0	13	1½
3	21	7	0½	2	12	4	6¾	1	3	2	1½	8	60	0	0	3	0	0	0	15	0
3	20	6	11¾	2	11	4	6	1	2	2	0½	9	67	10	0	3	6	6	0	16	10½
3	19	6	11	2	10	4	5½	1	1	1	11½	10	75	0	0	3	15	0	0	18	9
3	18	6	10½	2	9	4	4½	1	0	1	10½	11	82	10	0	4	2	6	1	0	7½
3	17	6	9½	2	8	4	3¾	0	27	1	9¾	12	90	0	0	4	10	0	1	2	6
3	16	6	8½	2	7	4	3	0	26	1	9	13	97	10	0	4	17	6	1	4	4½
3	15	6	7½	2	6	4	2	0	25	1	8	14	105	0	0	5	5	0	1	6	3
3	14	6	6½	2	5	4	1½	0	24	1	7½	15	112	10	0	5	12	6	1	8	1½
3	13	6	6	2	4	4	0½	0	23	1	6½	16	120	0	0	6	0	0	1	10	0
3	12	6	5½	2	3	3	11½	0	22	1	5¾	17	127	10	0	6	7	6	1	11	10½
3	11	6	4½	2	2	3	10¾	0	21	1	5	18	135	0	0	6	15	0	1	13	9
3	10	6	3½	2	1	3	10	0	20	1	4	19	142	10	0	7	2	6	1	15	7½
3	9	6	3	2	0	3	9	0	19	1	3½	20	150	0	0	7	10	0	1	17	6
3	8	6	2	1	27	3	8½	0	18	1	2½	21	157	10	0	7	17	6	1	19	4½
3	7	6	1½	1	26	3	7½	0	17	1	1¾	22	165	0	0	8	5	0	2	1	3
3	6	6	0½	1	25	3	6¾	0	16	1	1	23	172	10	0	8	12	6	2	3	1½
3	5	5	11¾	1	24	3	6	0	15	1	0	24	180	0	0	9	0	0	2	5	0
3	4	5	11	1	23	3	5	0	14	0	11½	25	187	10	0	9	7	6	2	6	10½
3	3	5	10	1	22	3	4½	0	13	0	10½	26	195	0	0	9	15	0	2	8	9
3	2	5	9	1	21	3	3½	0	12	0	9¾	27	202	10	0	10	2	6	2	10	7½
3	1	5	8½	1	20	3	2¾	0	11	0	9	28	210	0	0	10	10	0	2	12	6
3	0	5	7½	1	19	3	2	0	10	0	8	29	217	10	0	10	17	6	2	14	4½
2	27	5	6¾	1	18	3	1	0	9	0	7½	30	225	0	0	11	5	0	2	16	3
2	26	5	6	1	17	3	0½	0	8	0	6½	31	232	10	0	11	12	6	2	18	1½
2	25	5	5½	1	16	2	11½	0	7	0	5¾	32	240	0	0	12	0	0	3	0	0
2	24	5	4½	1	15	2	10¾	0	6	0	5	33	247	10	0	12	7	6	3	1	10½
2	23	5	3¾	1	14	2	9¾	0	5	0	4	34	255	0	0	12	15	0	3	3	9
2	22	5	3	1	13	2	9	0	4	0	3½	35	262	10	0	13	2	6	3	5	7½
2	21	5	2	1	12	2	8¼	0	3	0	2½	36	270	0	0	13	10	0	3	7	6
2	20	5	1½	1	11	2	7½	0	2	0	1½	37	277	10	0	13	17	6	3	9	4½
2	19	5	0½	1	10	2	6¾	0	1	0	0¾	38	285	0	0	14	5	0	3	11	3

£7 15s. per ton, 7s. 9d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£7 15s. per ton.			7s. 9d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 1s. 11¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	7	8½	2	18	5	0¾	1	9	2	7	2	15	10	0	0	15	6	0	3	10½
3	26	7	7½	2	17	5	0	1	8	2	6½	3	23	5	0	1	3	3	0	5	9¾
3	25	7	6¾	2	16	4	11½	1	7	2	5¾	4	31	0	0	1	11	0	0	7	9
3	24	7	6	2	15	4	10½	1	6	2	5	5	38	15	0	1	18	9	0	9	8½
3	23	7	5	2	14	4	9½	1	5	2	4	6	46	10	0	2	6	6	0	11	7½
3	22	7	4½	2	13	4	8½	1	4	2	3	7	54	5	0	2	14	3	0	13	6¾
3	21	7	3½	2	12	4	7½	1	3	2	2¼	8	62	0	0	3	2	0	0	15	6
3	20	7	2¾	2	11	4	6¾	1	2	2	1¼	9	69	15	0	3	9	9	0	17	5½
3	19	7	2	2	10	4	6	1	1	2	0¼	10	77	10	0	3	17	6	0	19	4½
3	18	7	1	2	9	4	5½	1	0	1	11½	11	85	5	0	4	5	3	1	1	3¾
3	17	7	0	2	8	4	4¾	0	27	1	10¾	12	93	0	0	4	13	0	1	3	3
3	16	6	11	2	7	4	3¾	0	26	1	9¾	13	100	15	0	5	0	9	1	5	2¼
3	15	6	10¾	2	6	4	3	0	25	1	9	14	108	10	0	5	8	6	1	7	1¼
3	14	6	9¼	2	5	4	2¼	0	24	1	8	15	116	5	0	5	16	3	1	9	0¾
3	13	6	8¼	2	4	4	1¼	0	23	1	7	16	124	0	0	6	4	0	1	11	0
3	12	6	7¾	2	3	4	0¾	0	22	1	6¼	17	131	15	0	6	11	9	1	12	11¼
3	11	6	7	2	2	4	0	0	21	1	5¼	18	139	10	0	6	19	6	1	14	10½
3	10	6	6	2	1	3	11½	0	20	1	4¼	19	147	5	0	7	7	3	1	16	9¾
3	9	6	5½	2	0	3	10¼	0	19	1	4	20	155	0	0	7	15	0	1	18	9
3	8	6	4¼	1	27	3	9¾	0	18	1	3	21	162	15	0	8	2	9	2	0	8¼
3	7	6	3¾	1	26	3	9	0	17	1	2¼	22	170	10	0	8	10	6	2	2	7¼
3	6	6	3	1	25	3	8¼	0	16	1	1¼	23	178	5	0	8	18	3	2	4	6¾
3	5	6	2	1	24	3	7½	0	15	1	0¼	24	186	0	0	9	6	0	2	6	6
3	4	6	1	1	23	3	6¾	0	14	0	11¼	25	193	15	0	9	13	9	2	8	5½
3	3	6	0	1	22	3	6	0	13	0	10¾	26	201	10	0	10	1	6	2	10	4¼
3	2	5	11	1	21	3	5	0	12	0	10	27	209	5	0	10	9	3	2	12	3¾
3	1	5	10	1	20	3	4	0	11	0	9	28	217	0	0	10	17	0	2	14	3
3	0	5	9½	1	19	3	3½	0	10	0	8	29	224	15	0	11	4	9	2	16	2½
2	27	5	8½	1	18	3	2½	0	9	0	7½	30	232	10	0	11	12	6	2	18	1½
2	26	5	7½	1	17	3	1½	0	8	0	6½	31	240	5	0	12	0	3	3	0	0¾
2	25	3	6¾	1	16	3	1	0	7	0	5¾	32	248	0	0	12	8	0	3	2	0
2	24	5	6	1	15	3	0	0	6	0	5	33	255	15	0	12	15	9	3	3	11¼
2	23	5	5	1	14	2	11	0	5	0	4	34	263	10	0	13	3	6	3	5	10½
2	22	5	4	1	13	2	10¼	0	4	0	3½	35	271	5	0	13	11	3	3	7	9¾
2	21	5	3	1	12	2	9¼	0	3	0	2¼	36	279	0	0	13	19	0	3	9	9
2	20	5	2¼	1	11	2	8¾	0	2	0	1¼	37	286	15	0	14	6	9	3	11	8¼
2	19	5	1¼	1	10	2	8	0	1	0	0¾	38	294	10	0	14	14	6	3	13	7¼

£8 per ton, 8s. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£3 per ton.			8s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 2s.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	7	11½	2	18	5	4	1	9	2	8	2	16	0	0	0	16	0	0	4	0
3	26	7	10½	2	17	5	3	1	8	2	7	3	24	0	0	1	4	0	0	6	0
3	25	7	9½	2	16	5	2	1	7	2	6¼	4	32	0	0	1	12	0	0	8	0
3	24	7	8¾	2	15	5	1	1	6	2	5½	5	40	0	0	2	0	0	0	10	0
3	23	7	8	2	14	5	0	1	5	2	4¾	6	48	0	0	2	8	0	0	12	0
3	22	7	7	2	13	4	11¼	1	4	2	4	7	56	0	0	2	16	0	0	14	0
3	21	7	6½	2	12	4	10½	1	3	2	3	8	64	0	0	3	4	0	0	16	0
3	20	7	5½	2	11	4	9¾	1	2	2	2	9	72	0	0	3	12	0	0	18	0
3	19	7	4¾	2	10	4	9	1	1	2	1	10	80	0	0	4	0	0	1	0	0
3	18	7	4	2	9	4	8	1	0	2	0	11	88	0	0	4	8	0	1	2	0
3	17	7	3	2	8	4	7	0	27	1	11¼	12	96	0	0	4	16	0	1	4	0
3	16	7	2	2	7	4	6½	0	26	1	10½	13	104	0	0	5	4	0	1	6	0
3	15	7	1	2	6	4	5½	0	25	1	9¾	14	112	0	0	5	12	0	1	8	0
3	14	7	0	2	5	4	4¾	0	24	1	9	15	120	0	0	6	0	0	1	10	0
3	13	6	11½	2	4	4	4	0	23	1	8	16	128	0	0	6	8	0	1	12	0
3	12	6	10½	2	3	4	3	0	22	1	7	17	136	0	0	6	16	0	1	14	0
3	11	6	9¾	2	2	4	2	0	21	1	6¼	18	144	0	0	7	4	0	1	16	0
3	10	6	9	2	1	4	1	0	20	1	5½	19	152	0	0	7	12	0	1	18	0
3	9	6	8	2	0	4	0	0	19	1	4¾	20	160	0	0	8	0	0	2	0	0
3	8	6	7	1	27	3	11	0	18	1	4	21	168	0	0	8	8	0	2	2	0
3	7	6	6¼	1	26	3	10½	0	17	1	3	22	176	0	0	8	16	0	2	4	0
3	6	6	5½	1	25	3	9¾	0	16	1	2	23	184	0	0	9	4	0	2	6	0
3	5	6	5¾	1	24	3	9	0	15	1	1	24	192	0	0	9	12	0	2	8	0
3	4	6	4	1	23	3	8	0	14	1	0	25	200	0	0	10	0	0	2	10	0
3	3	6	3	1	22	3	7	0	13	0	11¼	26	208	0	0	10	8	0	2	12	0
3	2	6	2	1	21	3	6¼	0	12	0	10¼	27	216	0	0	10	16	0	2	14	0
3	1	6	1	1	20	3	5¼	0	11	0	9¾	28	224	0	0	11	4	0	2	16	0
3	0	6	0	1	19	3	4¾	0	10	0	9	29	232	0	0	11	12	0	2	18	0
2	27	5	11¼	1	18	3	4	0	9	0	8	30	240	0	0	12	0	0	3	0	0
2	26	5	10½	1	17	3	3	0	8	0	7	31	248	0	0	12	8	0	3	2	0
2	25	5	9¾	1	16	3	2	0	7	0	6	32	256	0	0	12	16	0	3	4	0
2	24	5	9	1	15	3	1	0	6	0	5¼	33	264	0	0	13	4	0	3	6	0
2	23	5	8	1	14	3	0	0	5	0	4½	34	272	0	0	13	12	0	3	8	0
2	22	5	7	1	13	2	11½	0	4	0	3¾	35	280	0	0	14	0	0	3	10	0
2	21	5	6¼	1	12	2	10½	0	3	0	2¾	36	288	0	0	14	8	0	3	12	0
2	20	5	5½	1	11	2	9¾	0	2	0	1¾	37	296	0	0	14	16	0	3	14	0
2	19	5	4¾	1	10	2	9	0	1	0	0¾	38	304	0	0	15	4	0	3	16	0

£8 5s. per ton, 8s. 3d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£8 5s. per ton.			8s. 3d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, av. 2s. 0½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	8	2¼	2	18	5	6	1	9	2	9	2	16	10	0	0	16	6	0	4	1½
3	26	8	1½	2	17	5	5	1	8	2	8	3	24	15	0	1	4	9	0	6	2¼
3	25	8	0¾	2	16	5	4	1	7	2	7¼	4	33	0	0	1	13	0	0	8	3
3	24	8	0	2	15	5	3	1	6	2	6¼	5	41	5	0	2	1	3	0	10	3¾
3	23	7	11	2	14	5	2¼	1	5	2	5¾	6	49	10	0	2	9	6	0	12	4½
3	22	7	10	2	13	5	1¼	1	4	2	4¾	7	57	15	0	2	17	9	0	14	5¼
3	21	7	9	2	12	5	0¾	1	3	2	3¾	8	66	0	0	3	6	0	0	16	6
3	20	7	8¼	2	11	5	0	1	2	2	2¾	9	74	5	0	3	14	3	0	18	6¾
3	19	7	7¼	2	10	4	11	1	1	2	1¾	10	82	10	0	4	2	6	1	0	7½
3	18	7	6¼	2	9	4	10	1	0	2	0¾	11	90	15	0	4	10	9	1	2	8¼
3	17	7	5¼	2	8	4	9	0	27	2	0	12	99	0	0	4	19	0	1	4	9
3	16	7	4¼	2	7	4	8	0	26	1	11¼	13	107	5	0	5	7	3	1	6	9¾
3	15	7	3¾	2	6	4	7	0	25	1	10¼	14	115	10	0	5	15	6	1	8	10½
3	14	7	2¾	2	5	4	6	0	24	1	9¾	15	123	15	0	6	3	9	1	10	11¼
3	13	7	2	2	4	4	5	0	23	1	9	16	132	0	0	6	12	0	1	13	0
3	12	7	1	2	3	4	4¼	0	22	1	8	17	140	5	0	7	0	3	1	15	0¾
3	11	7	0	2	2	4	3¼	0	21	1	7	18	148	10	0	7	8	6	1	17	1¾
3	10	6	11¼	2	1	4	2¼	0	20	1	6	19	156	15	0	7	16	9	1	19	2¼
3	9	6	10¼	2	0	4	1¼	0	19	1	5	20	165	0	0	8	5	0	2	1	3
3	8	6	9¾	1	27	4	0¾	0	18	1	4	21	173	5	0	8	13	3	2	3	3¾
3	7	6	9	1	26	4	0	0	17	1	3	22	181	10	0	9	1	6	2	5	4½
3	6	6	8	1	25	3	11	0	16	1	2	23	189	15	0	9	9	9	2	7	5¼
3	5	6	7	1	24	3	10	0	15	1	1	24	198	0	0	9	18	0	2	9	6
3	4	6	6	1	23	3	9¼	0	14	1	0¼	25	206	5	0	10	6	3	2	11	6¾
3	3	6	5½	1	22	3	8¼	0	13	0	11¼	26	214	10	0	10	14	6	2	13	7½
3	2	6	4¼	1	21	3	7¾	0	12	0	10¾	27	222	15	0	11	2	9	2	15	8¼
3	1	6	3¼	1	20	3	7	0	11	0	10	28	231	0	0	11	11	0	2	17	9
3	0	6	2¼	1	19	3	6	0	10	0	9	29	239	5	0	11	19	3	2	19	9¾
2	27	6	1¼	1	18	3	5	0	9	0	8	30	247	10	0	12	7	6	3	1	10½
2	26	6	0¾	1	17	3	4	0	8	0	7	31	255	15	0	12	15	9	3	3	11¼
2	25	6	0	1	16	3	3	0	7	0	6	32	264	0	0	13	4	0	3	6	0
2	24	5	11¼	1	15	3	2	0	6	0	5¼	33	272	5	0	13	12	3	3	8	0¾
2	23	5	10¼	1	14	3	1¼	0	5	0	4¼	34	280	10	0	14	0	6	3	10	1¾
2	22	5	9¾	1	13	3	0¼	0	4	0	3¾	35	288	15	0	14	8	9	3	12	2¼
2	21	5	9	1	12	2	11¾	0	3	0	2¾	36	297	0	0	14	17	0	3	14	3
2	20	5	8	1	11	2	11	0	2	0	1¾	37	305	5	0	15	5	3	3	16	3¾
2	19	5	7	1	10	2	10	0	1	0	0¾	38	313	10	0	15	13	6	3	18	4½

£8 10s. per ton, 8s. 6d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£8 10s. per ton.			8s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 2s. 1½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d	qr.	lb.	s.	d.		£	s.	d.	£	s,	d.	£	s.	d.
3	27	8	5½	2	18	5	7¾	1	9	2	10	2	17	0	0	0	17	0	0	4	3
3	26	8	4½	2	17	5	6¾	1	8	2	9	3	25	10	0	1	5	6	0	6	4½
3	25	8	3½	2	16	5	5¾	1	7	2	8½	4	34	0	0	1	14	0	0	8	6
3	24	8	2¾	2	15	5	4¾	1	6	2	7½	5	42	10	0	2	2	6	0	10	7½
3	23	8	2	2	14	5	3¾	1	5	2	6½	6	51	0	0	2	11	0	0	12	9
3	22	8	1	2	13	5	2¾	1	4	2	5½	7	59	10	0	2	19	6	0	14	10½
3	21	8	0	2	12	5	2	1	3	2	4½	8	68	0	0	3	8	0	0	17	0
3	20	7	11	2	11	5	1	1	2	2	3½	9	76	10	0	3	16	6	0	19	1½
3	19	7	10	2	10	5	0	1	1	2	2½	10	85	0	0	4	5	0	1	1	3
3	18	7	9	2	9	4	11	1	0	2	1½	11	93	10	0	4	13	6	1	3	4½
3	17	7	8	2	8	4	10½	0	27	2	0½	12	102	0	0	5	2	0	1	5	6
3	16	7	7	2	7	4	9½	0	26	1	11½	13	110	10	0	5	10	6	1	7	7½
3	15	7	6	2	6	4	8½	0	25	1	11	14	119	0	0	5	19	0	1	9	9
3	14	7	5½	2	5	4	8	0	24	1	10	15	127	10	0	6	7	6	1	11	10½
3	13	7	4½	2	4	4	7	0	23	1	9	16	136	0	0	6	16	0	1	14	0
3	12	7	3½	2	3	4	6	0	22	1	8	17	144	10	0	7	4	6	1	16	1½
3	11	7	2½	2	2	4	5	0	21	1	7½	18	153	0	0	7	13	0	1	18	3
3	10	7	1½	2	1	4	4	0	20	1	6½	19	161	10	0	8	1	6	2	0	4½
3	9	7	1	2	0	4	3	0	19	1	5½	20	170	0	0	8	10	0	2	2	6
3	8	7	0	1	27	4	2½	0	18	1	4½	21	178	10	0	8	18	6	2	4	7½
3	7	6	11½	1	26	4	1½	0	17	1	3½	22	187	0	0	9	7	0	2	6	9
3	6	6	10½	1	25	4	0½	0	16	1	2½	23	195	10	0	9	15	6	2	8	10½
3	5	6	9½	1	24	4	0	0	15	1	1½	24	204	0	0	10	4	0	2	11	0
3	4	6	8½	1	23	3	11	0	14	1	0½	25	212	10	0	10	12	6	2	13	1½
3	3	6	7½	1	22	3	10	0	13	1	0	26	221	0	0	11	1	0	2	15	3
3	2	6	6½	1	21	3	9	0	12	0	11	27	229	10	0	11	9	6	2	17	4½
3	1	6	5½	1	20	3	8	0	11	0	10	28	238	0	0	11	18	0	2	19	6
3	0	6	4½	1	19	3	7	0	10	0	9	29	246	10	0	12	6	6	3	1	7½
2	27	6	3½	1	18	3	6	0	9	0	8	30	255	0	0	12	15	0	3	3	9
2	26	6	2½	1	17	3	5	0	8	0	7	31	263	10	0	13	3	6	3	5	10½
2	25	6	1½	1	16	3	4	0	7	0	6	32	272	0	0	13	12	0	3	8	0
2	24	6	0½	1	15	3	3	0	6	0	5½	33	280	10	0	14	0	6	3	10	1½
2	23	5	11½	1	14	3	2½	0	5	0	4½	34	289	0	0	14	9	0	3	12	3
2	22	5	11	1	13	3	1½	0	4	0	3½	35	297	10	0	14	17	6	3	14	4½
2	21	5	10½	1	12	3	0½	0	3	0	2½	36	306	0	0	15	6	0	3	16	6
2	20	5	9½	1	11	3	0	0	2	0	1½	37	314	10	0	15	14	6	3	18	7½
2	19	5	8½	1	10	3	11	0	1	0	0½	38	323	0	0	16	3	0	4	0	9

£8 15s. per ton, 8s. 9d. per cwt. — Rate per qr. cwt., stone, & lb.										No.	£8 15s. per ton.			8s. 9d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 2s. 2¼d.		
qr.	lb.	s.	d.	qr	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	8	8¼	2	18	5	10	1	9	2	11	2	17	10	0	0	17	6	0	4	4¼
3	26	8	7¼	2	17	5	9	1	8	2	10	3	26	5	0	1	6	3	0	6	6¾
3	25	8	6¼	2	16	5	8	1	7	2	9	4	35	0	0	1	15	0	0	8	9
3	24	8	5¼	2	15	5	7	1	6	2	8	5	43	15	0	2	3	9	0	10	11¼
3	23	8	4¾	2	14	5	6	1	5	2	7	6	52	10	0	2	12	6	0	13	1½
3	22	8	4	2	13	5	5	1	4	2	6	7	61	5	0	3	1	3	0	15	3¾
3	21	8	3	2	12	5	4	1	3	2	5	8	70	0	0	3	10	0	0	17	6
3	20	8	2	2	11	5	3	1	2	2	4	9	78	15	0	3	18	9	0	19	8¼
3	19	8	1	2	10	5	2	1	1	2	3	10	87	10	0	4	7	6	1	1	10½
3	18	8	0	2	9	5	1	1	0	2	2	11	96	5	0	4	16	3	1	4	0¾
3	17	7	11	2	8	5	0	0	27	2	1¼	12	105	0	0	5	5	0	1	6	3
3	16	7	10	2	7	4	11¼	0	26	2	0¼	13	113	15	0	5	13	9	1	8	5¼
3	15	7	9	2	6	4	10¼	0	25	1	11¾	14	122	10	0	6	2	6	1	10	7½
3	14	7	8	2	5	4	9¼	0	24	1	11	15	131	5	0	6	11	3	1	12	10½
3	13	7	7	2	4	4	8¼	0	23	1	10	16	140	0	0	7	0	0	1	15	0
3	12	7	6¼	2	3	4	7¼	0	22	1	9	17	148	15	0	7	8	9	1	17	2¼
3	11	7	5¼	2	2	4	6¼	0	21	1	8	18	157	10	0	7	17	6	1	19	4½
3	10	7	4¾	2	1	4	5¼	0	20	1	7	19	166	5	0	8	6	3	2	1	6¾
3	9	7	3¾	2	0	4	4¼	0	19	1	6	20	175	0	0	8	15	0	2	3	9
3	8	7	2¾	1	27	4	3¼	0	18	1	5	21	183	15	0	9	3	9	2	5	11¼
3	7	7	1¾	1	26	4	2¼	0	17	1	4	22	192	10	0	9	12	6	2	8	1½
3	6	7	0¾	1	25	4	1¼	0	16	1	3	23	201	5	0	10	1	3	2	10	3¾
3	5	6	11¾	1	24	4	0¼	0	15	1	2	24	210	0	0	10	10	0	2	12	6
3	4	6	10¾	1	23	3	11¾	0	14	1	1	25	218	15	0	10	18	9	2	14	8¼
3	3	6	9¾	1	22	3	11	0	13	1	0	26	227	10	0	11	7	6	2	16	10½
3	2	6	8¾	1	21	3	10¼	0	12	0	11	27	236	5	0	11	16	3	2	19	0¾
3	1	6	7¾	1	20	3	9¼	0	11	0	10	28	245	0	0	12	5	0	3	1	3
3	0	6	6¾	1	19	3	8¼	0	10	0	9	29	253	15	0	12	13	9	3	3	5¼
2	27	6	6	1	18	3	7¼	0	9	0	8	30	262	10	0	13	2	6	3	5	7½
2	26	6	5	1	17	3	6¼	0	8	0	7	31	271	5	0	13	11	3	3	7	9¾
2	25	6	4	1	16	3	5¼	0	7	0	6¼	32	280	0	0	14	0	0	3	10	0
2	24	6	3	1	15	3	4¼	0	6	0	5¼	33	288	15	0	14	8	9	3	12	2¼
2	23	6	2¼	1	14	3	3¼	0	5	0	4¼	34	297	10	0	14	17	6	3	14	4½
2	22	6	1¼	1	13	3	2¼	0	4	0	3¼	35	306	5	0	15	6	3	3	16	6¾
2	21	6	0¾	1	12	3	1¼	0	3	0	2¼	36	315	0	0	15	15	0	3	18	9
2	20	6	0	1	11	3	0¾	0	2	0	1¾	37	323	15	0	16	3	9	4	0	11¼
2	19	5	11	1	10	3	0	0	1	0	0¾	38	332	10	0	16	12	6	4	3	1¾

£9 6s. 8d. per ton, 9s. 4d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£9 6s. 8d. per ton.			9s. 4d. per cwt., bush., day, or yard.			qr. cwt., peck, ½ day, ¼ yard, aver. 2s. 4d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	9	3	2	18	6	2	1	9	3	1	2	18	13	4	0	18	8	0	4	8
3	26	9	2	2	17	6	1	1	8	3	0	3	28	0	0	1	8	0	0	7	0
3	25	9	1	2	16	6	0	1	7	2	11	4	37	6	8	1	17	4	0	9	4
3	24	9	0	2	15	5	11	1	6	2	10	5	46	13	4	2	6	8	0	11	8
3	23	8	11	2	14	5	10	1	5	2	9	6	56	0	0	2	16	0	0	14	0
3	22	8	10	2	13	5	9	1	4	2	8	7	65	6	8	3	5	4	0	16	4
3	21	8	9	2	12	5	8	1	3	2	7	8	74	13	4	3	14	8	0	18	8
3	20	8	8	2	11	5	7	1	2	2	6	9	84	0	0	4	4	0	1	1	0
3	19	8	7	2	10	5	6	1	1	2	5	10	93	6	8	4	13	4	1	3	4
3	18	8	6	2	9	5	5	1	0	2	4	11	102	13	4	5	2	8	1	5	8
3	17	8	5	2	8	5	4	0	27	2	3	12	112	0	0	5	12	0	1	8	0
3	16	8	4	2	7	5	3	0	26	2	2	13	121	6	8	6	1	4	1	10	4
3	15	8	3	2	6	5	2	0	25	2	1	14	130	13	4	6	10	8	1	12	8
3	14	8	2	2	5	5	1	0	24	2	0	15	140	0	0	7	0	0	1	15	0
3	13	8	1	2	4	5	0	0	23	1	11	16	149	6	8	7	9	4	1	17	4
3	12	8	0	2	3	4	11	0	22	1	10	17	158	13	4	7	18	8	1	19	8
3	11	7	11	2	2	4	10	0	21	1	9	18	168	0	0	8	8	0	2	2	0
3	10	7	10	2	1	4	9	0	20	1	8	19	177	6	8	8	17	4	2	4	4
3	9	7	9	2	0	4	8	0	19	1	7	20	186	13	4	9	6	8	2	6	8
3	8	7	8	1	27	4	7	0	18	1	6	21	196	0	0	9	16	0	2	9	0
3	7	7	7	1	26	4	6	0	17	1	5	22	205	6	8	10	5	4	2	11	4
3	6	7	6	1	25	4	5	0	16	1	4	23	214	13	4	10	14	8	2	13	8
3	5	7	5	1	24	4	4	0	15	1	3	24	224	0	0	11	4	0	2	16	0
3	4	7	4	1	23	4	3	0	14	1	2	25	233	6	8	11	13	4	2	18	4
3	3	7	3	1	22	4	2	0	13	1	1	26	242	13	4	12	2	8	3	0	8
3	2	7	2	1	21	4	1	0	12	1	0	27	252	0	0	12	12	0	3	3	0
3	1	7	1	1	20	4	0	0	11	0	11	28	261	6	8	13	1	4	3	5	4
3	0	7	0	1	19	3	11	0	10	0	10	29	270	13	4	13	10	8	3	7	8
2	27	6	11	1	18	3	10	0	9	0	9	30	280	0	0	14	0	0	3	10	0
2	26	6	10	1	17	3	9	0	8	0	8	31	289	6	8	14	9	4	3	12	4
2	25	6	9	1	16	3	8	0	7	0	7	32	298	13	4	14	18	8	3	14	8
2	24	6	8	1	15	3	7	0	6	0	6	33	308	0	0	15	8	0	3	17	0
2	23	6	7	1	14	3	6	0	5	0	5	34	317	6	8	15	17	4	3	19	4
2	22	6	6	1	13	3	5	0	4	0	4	35	326	13	4	16	6	8	4	1	8
2	21	6	5	1	12	3	4	0	3	0	3	36	336	0	0	16	16	0	4	4	0
2	20	6	4	1	11	3	3	0	2	0	2	37	345	6	8	17	5	4	4	6	4
2	19	6	3	1	10	3	2	0	1	0	1	38	354	13	4	17	14	8	4	8	8

Note—Average 1*d.* per lb.

£9 10s. per ton, 9s. 6d. per cwt. Rate per qr. cwt., stone, and lb.									No.	£9 10s. per ton.			9s. 6d. per cwt. bushel, day or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 2s. 4½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	9	5	2	18	6	3¼	1	9	3	1½	2	19	0	0	0	19	0	0	4	9
3	26	9	4	2	17	6	2¼	1	8	3	0½	3	28	10	0	1	8	6	0	7	1½
3	25	9	3	2	16	6	1¼	1	7	2	11½	4	38	0	0	1	18	0	0	9	6
3	24	9	2	2	15	6	0¼	1	6	2	10½	5	47	10	0	2	7	6	0	11	10½
3	23	9	1	2	14	5	11¼	1	5	2	9½	6	57	0	0	2	17	0	0	14	3
3	22	9	0	2	13	5	10	1	4	2	8½	7	66	10	0	3	6	6	0	16	7½
3	21	8	10¾	2	12	5	9	1	3	2	7½	8	76	0	0	3	16	0	0	19	0
3	20	8	9¾	2	11	5	8	1	2	2	6½	9	85	10	0	4	5	6	1	1	4½
3	19	8	8¾	2	10	5	7	1	1	2	5½	10	95	0	0	4	15	0	1	3	9
3	18	8	7¾	2	9	5	6	1	0	2	4½	11	104	10	0	5	4	6	1	6	1½
3	17	8	6¾	2	8	5	5	0	27	2	3½	12	114	0	0	5	14	0	1	8	6
3	16	8	5¾	2	7	5	4	0	26	2	2½	13	123	10	0	6	3	6	1	10	10½
3	15	8	4¾	2	6	5	3	0	25	2	1½	14	133	0	0	6	13	0	1	13	3
3	14	8	3¾	2	5	5	2	0	24	2	0½	15	142	10	0	7	2	6	1	15	7½
3	13	8	2¾	2	4	5	1	0	23	1	11½	16	152	0	0	7	12	0	1	18	0
3	12	8	1¾	2	3	5	0	0	22	1	10½	17	161	10	0	8	1	6	2	0	4½
3	11	8	0¾	2	2	4	11	0	21	1	9½	18	171	0	0	8	11	0	2	2	9
3	10	7	11¾	2	1	4	10	0	20	1	8½	19	180	10	0	9	0	6	2	5	1½
3	9	7	10¾	2	0	4	9	0	19	1	7½	20	190	0	0	9	10	0	2	7	6
3	8	7	9¾	1	27	4	7¾	0	18	1	6½	21	199	10	0	9	19	6	2	9	10½
3	7	7	8¾	1	26	4	6¾	0	17	1	5½	22	209	0	0	10	9	0	2	12	3
3	6	7	7¾	1	25	4	5¾	0	16	1	4½	23	218	10	0	10	18	6	2	14	7½
3	5	7	6¾	1	24	4	4¾	0	15	1	3½	24	228	0	0	11	8	0	2	17	0
3	4	7	5¾	1	23	4	3¾	0	14	1	2½	25	237	10	0	11	17	6	2	19	4½
3	3	7	4¾	1	22	4	2¾	0	13	1	1	26	247	0	0	12	7	0	3	1	9
3	2	7	3¾	1	21	4	1¾	0	12	1	0	27	256	10	0	12	17	6	3	4	1½
3	1	7	2¾	1	20	4	0¾	0	11	0	11	28	266	0	0	13	7	0	3	6	6
3	0	7	1¾	1	19	3	11¾	0	10	0	10	29	275	10	0	13	16	6	3	8	10½
2	27	7	0¾	1	18	3	10¾	0	9	0	9	30	285	0	0	14	5	0	3	11	3
2	26	6	11¾	1	17	3	9¾	0	8	0	8	31	294	10	0	14	14	6	3	13	7½
2	25	6	10¾	1	16	3	8¾	0	7	0	7	32	304	0	0	15	4	0	3	16	0
2	24	6	9¾	1	15	3	7¾	0	6	0	6	33	313	10	0	15	13	6	3	18	4½
2	23	6	8¾	1	14	3	6¾	0	5	0	5	34	323	0	0	16	3	0	4	0	9
2	22	6	7¾	1	13	3	5¼	0	4	0	4	35	332	10	0	16	12	6	4	3	1½
2	21	6	6¾	1	12	3	4¼	0	3	0	3	36	342	0	0	17	2	0	4	5	6
2	20	6	5¾	1	11	3	3¼	0	2	0	2	37	351	10	0	17	11	6	4	7	10½
2	19	6	4¾	1	10	3	2¼	0	1	0	1	38	361	0	0	18	1	0	4	10	3

£9 15s. per ton, 9s. 9d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£9 15s. per ton.			9s. 9d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 2s. 5¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	9	8	2	18	6	5¾	1	9	3	2¼	2	19	10	0	0	19	6	0	4	10¼
3	26	9	7	2	17	6	4¾	1	8	3	1¼	3	29	5	0	1	9	3	0	7	3¾
3	25	9	6	2	16	6	3¾	1	7	3	0¼	4	39	0	0	1	19	0	0	9	9
3	24	9	5	2	15	6	2¼	1	6	2	11¼	5	48	15	0	2	8	9	0	12	2¼
3	23	9	4	2	14	6	1¼	1	5	2	10¼	6	58	10	0	2	18	6	0	14	7½
3	22	9	3	2	13	6	0	1	4	2	9¼	7	68	5	0	3	8	3	0	17	0¾
3	21	9	2	2	12	5	11	1	3	2	8¼	8	78	0	0	3	18	0	0	19	6
3	20	9	1	2	11	5	10	1	2	2	7¼	9	87	15	0	4	7	9	1	1	11¼
3	19	9	0	2	10	5	9	1	1	2	6¼	10	97	10	0	4	17	6	1	4	4¾
3	18	8	10¾	2	9	5	8	1	0	2	5¼	11	107	5	0	5	7	3	1	6	9¾
3	17	8	9¾	2	8	5	7	0	27	2	4¾	12	117	0	0	5	17	0	1	9	3
3	16	8	8¾	2	7	5	6	0	26	2	3¾	13	126	15	0	6	6	9	1	11	8¼
3	15	8	7¾	2	6	5	5	0	25	2	2	14	136	10	0	6	16	6	1	14	1¾
3	14	8	6¾	2	5	5	4	0	24	2	1	15	146	5	0	7	6	3	1	16	6¾
3	13	8	5¾	2	4	5	3	0	23	2	0	16	156	0	0	7	16	0	1	19	0
3	12	8	4¾	2	3	5	2	0	22	1	11	17	165	15	0	8	5	9	2	1	5¼
3	11	8	3¾	2	2	5	0¾	0	21	1	10	18	175	10	0	8	15	6	2	3	10¼
3	10	8	2	2	1	4	11¾	0	20	1	9	19	185	5	0	9	5	3	2	6	3¾
3	9	8	1	2	0	4	10¾	0	19	1	8	20	195	0	0	9	15	0	2	8	9
3	8	8	0	1	27	4	9¾	0	18	1	7	21	204	15	0	10	4	9	2	11	2¼
3	7	7	11	1	26	4	8¾	0	17	1	6	22	214	10	0	10	14	6	2	13	7½
3	6	7	10	1	25	4	7¾	0	16	1	5	23	224	5	0	11	4	3	2	16	0¾
3	5	7	9	1	24	4	6¾	0	15	1	3¾	24	234	0	0	11	14	0	2	18	6
3	4	7	8	1	23	4	5¾	0	14	1	2¼	25	243	15	0	12	3	9	3	0	11¼
3	3	7	7	1	22	4	4¾	0	13	1	1¼	26	253	10	0	12	13	6	3	3	4¾
3	2	7	6	1	21	4	3¾	0	12	1	0¼	27	263	5	0	13	3	3	3	5	9¾
3	1	7	5	1	20	4	2¾	0	11	0	11¼	28	273	0	0	13	13	0	3	8	3
3	0	7	3¾	1	19	4	1¾	0	10	0	10	29	282	15	0	14	2	9	3	10	8¼
2	27	7	2¾	1	18	4	0¾	0	9	0	9	30	292	10	0	14	12	6	3	13	1¾
2	26	7	1¾	1	17	3	11¾	0	8	0	8	31	302	5	0	15	2	3	3	15	6¾
2	25	7	0¾	1	16	3	10	0	7	0	7	32	312	0	0	15	12	0	3	18	0
2	24	6	11¾	1	15	3	9	0	6	0	6	33	321	15	0	16	1	9	4	0	5¼
2	23	6	10¾	1	14	3	7¾	0	5	0	5	34	331	10	0	16	11	6	4	2	10¼
2	22	6	9¾	1	13	3	6¾	0	4	0	4	35	341	5	0	17	1	3	4	5	3¾
2	21	6	8¾	1	12	3	5¾	0	3	0	3	36	351	0	0	17	11	0	4	7	9
2	20	6	7¾	1	11	3	4¾	0	2	0	2	37	360	15	0	18	0	9	4	10	2¼
2	19	6	6¾	1	10	3	3¾	0	1	0	1	38	370	10	0	18	10	6	4	12	7½

£10 per ton, 10s. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£10 per ton.			10s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yd, average 2s. 6d.		
qr.	lb.	s.	d.	qr	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	9	11	2	18	6	7	1	9	3	4	2	20	0	0	1	0	0	0	5	0
3	26	9	10	2	17	6	6	1	8	3	2¾	3	30	0	0	1	10	0	0	7	6
3	25	9	8¾	2	16	6	5	1	7	3	1¼	4	40	0	0	2	0	0	0	10	0
3	24	9	7½	2	15	6	4	1	6	3	0¼	5	50	0	0	2	10	0	0	12	6
3	23	9	6¼	2	14	6	3	1	5	2	11	6	60	0	0	3	0	0	0	15	0
3	22	9	5	2	13	6	2	1	4	2	10	7	70	0	0	3	10	0	0	17	6
3	21	9	4	2	12	6	1	1	3	2	9	8	80	0	0	4	0	0	1	0	0
3	20	9	3	2	11	6	0	1	2	2	8	9	90	0	0	4	10	0	1	2	6
3	19	9	2	2	10	5	10¾	1	1	2	7	10	100	0	0	5	0	0	1	5	0
3	18	9	1	2	9	5	9¼	1	0	2	6	11	110	0	0	5	10	0	1	7	6
3	17	9	0	2	8	5	8¼	0	27	2	5	12	120	0	0	6	0	0	1	10	0
3	16	8	11	2	7	5	7	0	26	2	4	13	130	0	0	6	10	0	1	12	6
3	15	8	10	2	6	5	6	0	25	2	3	14	140	0	0	7	0	0	1	15	0
3	14	8	9	2	5	5	5	0	24	2	2	15	150	0	0	7	10	0	1	17	6
3	13	8	7¾	2	4	5	4	0	23	2	1	16	160	0	0	8	0	0	2	0	0
3	12	8	6¼	2	3	5	3	0	22	2	0	17	170	0	0	8	10	0	2	2	6
3	11	8	5¼	2	2	5	2	0	21	1	10¾	18	180	0	0	9	0	0	2	5	0
3	10	8	4¼	2	1	5	1	0	20	1	9¼	19	190	0	0	9	10	0	2	7	6
3	9	8	3¼	2	0	5	0	0	19	1	8¼	20	200	0	0	10	0	0	2	10	0
3	8	8	2¼	1	27	4	11	0	18	1	7	21	210	0	0	10	10	0	2	12	6
3	7	8	1¼	1	26	4	10	0	17	1	6	22	220	0	0	11	0	0	2	15	0
3	6	8	0	1	25	4	9	0	16	1	5	23	230	0	0	11	10	0	2	17	6
3	5	7	11	1	24	4	8	0	15	1	4	24	240	0	0	12	0	0	3	0	0
3	4	7	10	1	23	4	6¾	0	14	1	3	25	250	0	0	12	10	0	3	2	6
3	3	7	9	1	22	4	5¼	0	13	1	2	26	260	0	0	13	0	0	3	5	0
3	2	7	8	1	21	4	4¼	0	12	1	1	27	270	0	0	13	10	0	3	7	6
3	1	7	7	1	20	4	3	0	11	1	0	28	280	0	0	14	0	0	3	10	0
3	0	7	6	1	19	4	2	0	10	0	11	29	290	0	0	14	10	0	3	12	6
2	27	7	4¾	1	18	4	1	0	9	0	9¾	30	300	0	0	15	0	0	3	15	0
2	26	7	3¼	1	17	4	0	0	8	0	8¼	31	310	0	0	15	10	0	3	17	6
2	25	7	2¼	1	16	3	11	0	7	0	7¼	32	320	0	0	16	0	0	4	0	0
2	24	7	1	1	15	3	10	0	6	0	6	33	330	0	0	16	10	0	4	2	6
2	23	7	0	1	14	3	9	0	5	0	5	34	340	0	0	17	0	0	4	5	0
2	22	6	11	1	13	3	8	0	4	0	4	35	350	0	0	17	10	0	4	7	6
2	21	6	10	1	12	3	7	0	3	0	3	36	360	0	0	18	0	0	4	10	0
2	20	6	9	1	11	3	6	0	2	0	2	37	370	0	0	18	10	0	4	12	6
2	19	6	8	1	10	3	5	0	1	0	1	38	380	0	0	19	0	0	4	15	0

£10 5s. per ton, 10s. 3d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£10 5s. per ton.			10s. 3d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 2s. 6¼d.		
qr	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	10	2	2	18	6	9½	1	9	3	4½	2	20	10	0	1	0	6	0	5	1½
3	26	10	1	2	17	6	8¼	1	8	3	3½	3	30	15	0	1	10	9	0	7	8¼
3	25	10	0	2	16	6	7½	1	7	3	2¼	4	41	0	0	2	1	0	0	10	3
3	24	9	10¾	2	15	6	6¼	1	6	3	1	5	51	5	0	2	11	3	0	12	9¾
3	23	9	9½	2	14	6	5¼	1	5	3	0	6	61	10	0	3	1	6	0	15	4½
3	22	9	8¼	2	13	6	4	1	4	2	11	7	71	15	0	3	11	9	0	17	11¼
3	21	9	7	2	12	6	3	1	3	2	10	8	82	0	0	4	2	0	1	0	6
3	20	9	5¾	2	11	6	1¾	1	2	2	9	9	92	5	0	4	12	3	1	3	0¾
3	19	9	4½	2	10	6	0½	1	1	2	8	10	102	10	0	5	2	6	1	5	7½
3	18	9	3¾	2	9	5	11¼	1	0	2	6¾	11	112	15	0	5	12	9	1	8	2¼
3	17	9	2¾	2	8	5	10	0	27	2	5¾	12	123	0	0	6	3	0	1	10	9
3	16	9	1¾	2	7	5	9	0	26	2	4¾	13	133	5	0	6	13	3	1	13	3¾
3	15	9	0¾	2	6	5	8	0	25	2	3¼	14	143	10	0	7	3	6	1	15	10½
3	14	8	11¾	2	5	5	6¾	0	24	2	2	15	153	15	0	7	13	9	1	18	5¼
3	13	8	10¾	2	4	5	5¼	0	23	2	1	16	164	0	0	8	4	0	2	1	0
3	12	8	9¼	2	3	5	4¼	0	22	2	0	17	174	5	0	8	14	3	2	3	6¾
3	11	8	8	2	2	5	3¼	0	21	1	11	18	184	10	0	9	4	6	2	6	1¼
3	10	8	7	2	1	5	2¼	0	20	1	9¾	19	194	15	0	9	14	9	2	8	8¼
3	9	8	6	2	0	5	1¼	0	19	1	8¼	20	205	0	0	10	5	0	2	11	3
3	8	8	4¾	1	27	5	0¼	0	18	1	7¼	21	215	5	0	10	15	3	2	13	9¾
3	7	8	3¼	1	26	4	11¼	0	17	1	6¼	22	225	10	0	11	5	6	2	16	4¼
3	6	8	2¼	1	25	4	10	0	16	1	5¼	23	235	15	0	11	15	9	2	18	11¼
3	5	8	1¼	1	24	4	9	0	15	1	4¼	24	246	0	0	12	6	0	3	1	6
3	4	8	0¼	1	23	4	7¾	0	14	1	3¼	25	256	5	0	12	16	3	3	4	0¾
3	3	7	11¼	1	22	4	6¼	0	13	1	2	26	266	10	0	13	6	6	3	6	7½
3	2	7	10¼	1	21	4	5¼	0	12	1	1	27	276	15	0	13	16	9	3	9	2¼
3	1	7	9¼	1	20	4	4¼	0	11	1	0	28	287	0	0	14	7	0	3	11	9
3	0	7	8¼	1	19	4	3¼	0	10	0	11	29	297	5	0	14	17	3	3	14	3¾
2	27	7	7¼	1	18	4	2¼	0	9	0	10	30	307	10	0	15	7	6	3	16	10½
2	26	7	6	1	17	4	1¼	0	8	0	8¾	31	317	15	0	15	17	9	3	19	5¼
2	25	7	5	1	16	4	0¼	0	7	0	7½	32	328	0	0	16	8	0	4	2	0
2	24	7	4	1	15	3	11¼	0	6	0	6¼	33	338	5	0	16	18	3	4	4	6¾
2	23	7	3	1	14	3	10¼	0	5	0	5	34	348	10	0	17	8	6	4	7	1½
2	22	7	2	1	13	3	9	0	4	0	4	35	358	15	0	17	18	9	4	9	8¼
2	21	7	1	1	12	3	8	0	3	0	3	36	369	0	0	18	9	0	4	12	3
2	20	7	0	1	11	3	7	0	2	0	2	37	379	5	0	18	19	3	4	14	9¾
2	19	6	10¾	1	10	3	6	0	1	0	1	38	389	10	0	19	9	6	4	17	4½

£10 10s. per ton, 10s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£10 10s. per ton.			10s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, aver. 2s. 7½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	10	5	2	18	6	11¼	1	9	3	5¾	2	21	0	0	1	1	0	0	5	3
3	26	10	4	2	17	6	10	1	8	3	4½	3	31	10	0	1	11	6	0	7	10½
3	25	10	3	2	16	6	8¾	1	7	3	3¼	4	42	0	0	2	2	0	0	10	6
3	24	10	1¾	2	15	6	7½	1	6	3	2	5	52	10	0	2	12	6	0	13	1¼
3	23	10	0¼	2	14	6	6¾	1	5	3	1	6	63	0	0	3	3	0	0	15	9
3	22	9	11½	2	13	6	5¼	1	4	3	0	7	73	10	0	3	13	6	0	18	4½
3	21	9	10	2	12	6	4½	1	3	2	10¾	8	84	0	0	4	4	0	1	1	0
3	20	9	9	2	11	6	3	1	2	2	9¼	9	94	10	0	4	14	6	1	3	7¼
3	19	9	7¾	2	10	6	2	1	1	2	8¼	10	105	0	0	5	5	0	1	6	3
3	18	9	6½	2	9	6	1	1	0	2	7¼	11	115	10	0	5	15	6	1	8	10½
3	17	9	5¼	2	8	5	11¾	0	27	2	6¼	12	126	0	0	6	6	0	1	11	6
3	16	9	4¼	2	7	5	10¼	0	26	2	5	13	136	10	0	6	16	6	1	14	1¼
3	15	9	3¼	2	6	5	9¼	0	25	2	4	14	147	0	0	7	7	0	1	16	9
3	14	9	2¼	2	5	5	8	0	24	2	3	15	157	10	0	7	17	6	1	19	4½
3	13	9	1	2	4	5	7	0	23	2	1¾	16	168	0	0	8	8	0	2	2	0
3	12	9	0	2	3	5	6	0	22	2	0¼	17	178	10	0	8	18	6	2	4	7¼
3	11	8	11	2	2	5	5	0	21	1	11¼	18	189	0	0	9	9	0	2	7	3
3	10	8	9¾	2	1	5	4	0	20	1	10	19	199	10	0	9	19	6	2	9	10½
3	9	8	8½	2	0	5	3	0	19	1	9	20	210	0	0	10	10	0	2	12	6
3	8	8	7¼	1	27	5	2	0	18	1	7¾	21	220	10	0	11	0	6	2	15	1¼
3	7	8	6	1	26	5	1	0	17	1	6¾	22	231	0	0	11	11	0	2	17	9
3	6	8	5	1	25	4	11¾	0	16	1	5¾	23	241	10	0	12	1	6	3	0	4½
3	5	8	4	1	24	4	10½	0	15	1	4¾	24	252	0	0	12	12	0	3	3	0
3	4	8	2¾	1	23	4	9¼	0	14	1	3¾	25	262	10	0	13	2	6	3	5	7¼
3	3	8	1¼	1	22	4	8	0	13	1	2¾	26	273	0	0	13	13	0	3	8	3
3	2	8	0½	1	21	4	7	0	12	1	1¾	27	283	10	0	14	3	6	3	10	10½
3	1	7	11¼	1	20	4	6	0	11	1	0¼	28	294	0	0	14	14	0	3	13	6
3	0	7	10¼	1	19	4	4¾	0	10	0	11¼	29	304	10	0	15	4	6	3	16	1¼
2	27	7	9¼	1	18	4	3¼	0	9	0	10¼	30	315	0	0	15	15	0	3	18	9
2	26	7	8¼	1	17	4	2¼	0	8	0	9	31	325	10	0	16	5	6	4	1	4½
2	25	7	7	1	16	4	1¼	0	7	0	7¾	32	336	0	0	16	16	0	4	4	0
2	24	7	6	1	15	4	0¼	0	6	0	6¾	33	346	10	0	17	6	6	4	6	7¼
2	23	7	5	1	14	3	11¼	0	5	0	5¼	34	357	0	0	17	17	0	4	9	3
2	22	7	3¾	1	13	3	10	0	4	0	4	35	367	10	0	18	7	6	4	11	10½
2	21	7	2¾	1	12	3	9	0	3	0	3	36	378	0	0	18	18	0	4	14	6
2	20	7	1¾	1	11	3	8	0	2	0	2	37	388	10	0	19	8	6	4	17	1¼
2	19	7	0¼	1	10	3	7	0	1	0	1	38	399	0	0	19	19	0	4	19	9

£10 15*s.* per ton, 10*s.* 9*d.* per cwt. Rate per qr. cwt., stone, & lb.										No.	£10 15*s.* per ton.			10*s.* 9*d.* per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd, average 2*s.* 8¼*d.*		
qr.	lb.	*s.*	*d.*	qr	lb.	*s.*	*d.*	qr.	lb.	*s.*	*d.*		£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*
3	27	10	8	2	18	7	1	1	9	3	6¼	2	21	10	0	1	1	6	0	5	4¼
3	26	10	7	2	17	6	11¾	1	8	3	5	3	32	5	0	1	12	3	0	8	0¾
3	25	10	5¾	2	16	6	10½	1	7	3	4	4	43	0	0	2	3	0	0	10	9
3	24	10	4¾	2	15	6	9½	1	6	3	2¾	5	53	15	0	2	13	9	0	13	5¼
3	23	10	3¼	2	14	6	8¼	1	5	3	1¾	6	64	10	0	3	4	6	0	16	1¾
3	22	10	2	2	13	6	7¼	1	4	3	0¾	7	75	5	0	3	15	3	0	18	9¾
3	21	10	0¾	2	12	6	6	1	3	2	11½	8	86	0	0	4	6	0	1	1	6
3	20	9	11¾	2	11	6	5	1	2	2	10½	9	96	15	0	4	16	9	1	4	2¼
3	19	9	10¾	2	10	6	4	1	1	2	9½	10	107	10	0	5	7	6	1	6	10¾
3	18	9	9	2	9	6	3	1	0	2	8¼	11	118	5	0	5	18	3	1	9	6¾
3	17	9	8	2	8	6	1¾	0	27	2	7¼	12	129	0	0	6	9	0	1	12	3
3	16	9	7	2	7	6	0¾	0	26	2	6	13	139	15	0	6	19	9	1	14	11¼
3	15	9	6	2	6	5	11¾	0	25	2	5	14	150	10	0	7	10	6	1	17	7¾
3	14	9	5	2	5	5	10	0	24	2	4	15	161	5	0	8	1	3	2	0	3¾
3	13	9	3¾	2	4	5	8¾	0	23	2	2¾	16	172	0	0	8	12	0	2	3	0
3	12	9	2¾	2	3	5	7¾	0	22	2	1¾	17	182	15	0	9	2	9	2	5	8¼
3	11	9	1¾	2	2	5	6¾	0	21	2	0¾	18	193	10	0	9	13	6	2	8	4¾
3	10	9	0	2	1	5	5¾	0	20	1	11	19	204	5	0	10	4	3	2	11	0¾
3	9	8	11	2	0	5	4¾	0	19	1	9¾	20	215	0	0	10	15	0	2	13	9
3	8	8	10	1	27	5	3¾	0	18	1	8¾	21	225	15	0	11	5	9	2	16	5¼
3	7	8	8¾	1	26	5	2	0	17	1	7¼	22	236	10	0	11	16	6	2	19	1¾
3	6	8	7¾	1	25	5	1	0	16	1	6	23	247	5	0	12	7	3	3	1	9¾
3	5	8	6¾	1	24	5	0	0	15	1	5	24	258	0	0	12	18	0	3	4	6
3	4	8	5	1	23	4	11	0	14	1	4	25	268	15	0	13	8	9	3	7	2¼
3	3	8	4	1	22	4	9¾	0	13	1	2¾	26	279	10	0	13	19	6	3	9	10¼
3	2	8	3	1	21	4	8¾	0	12	1	1¾	27	290	5	0	14	10	3	3	12	6¾
3	1	8	2	1	20	4	7¾	0	11	1	0¾	28	301	0	0	15	1	0	3	15	3
3	0	8	0¾	1	19	4	6	0	10	0	11¼	29	311	15	0	15	11	9	3	17	11¼
2	27	7	11¾	1	18	4	4¾	0	9	0	10¼	30	322	10	0	16	2	6	4	0	7¾
2	26	7	10¾	1	17	4	3¾	0	8	0	9¼	31	333	5	0	16	13	3	4	3	3¾
2	25	7	9¼	1	16	4	2¾	0	7	0	8	32	344	0	0	17	4	0	4	6	0
2	24	7	8	1	15	4	1¾	0	6	0	6¾	33	354	15	0	17	14	9	4	8	8¼
2	23	7	7	1	14	4	0¾	0	5	0	5¼	34	365	10	0	18	5	6	4	11	4¾
2	22	7	5¾	1	13	3	11¼	0	4	0	4¼	35	376	5	0	18	16	3	4	14	0¾
2	21	7	4¾	1	12	3	10	0	3	0	3	36	387	0	0	19	7	0	4	16	9
2	20	7	3¼	1	11	3	8¾	0	2	0	2	37	397	15	0	19	17	9	4	19	5¼
2	19	7	2	1	10	3	7¾	0	1	0	1	38	408	10	0	20	8	6	5	2	1¾

£11 per ton, 11s. per cwt. — Rate per qr. cwt., stone, & lb.										No.	£11 per ton.			11s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 2s. 9d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	10	11	2	18	7	2¾	1	9	3	7¾	2	22	0	0	1	2	0	0	5	6
3	26	10	9¾	2	17	7	1¼	1	8	3	6¼	3	33	0	0	1	13	0	0	8	3
3	25	10	8¾	2	16	7	0¼	1	7	3	5¼	4	44	0	0	2	4	0	0	11	0
3	24	10	7¼	2	16	6	11	1	6	3	4	5	55	0	0	2	15	0	0	13	9
3	23	10	6	2	14	6	10	1	5	3	2¾	6	66	0	0	3	6	0	0	16	6
3	22	10	4¾	2	13	6	9	1	4	3	1¾	7	77	0	0	3	17	0	0	19	3
3	21	10	3¾	2	12	6	7¾	1	3	3	0¼	8	88	0	0	4	8	0	1	2	0
3	20	10	2¼	2	11	6	6¼	1	2	2	11	9	99	0	0	4	19	0	1	4	9
3	19	10	1	2	10	6	5¼	1	1	2	10	10	110	0	0	5	10	0	1	7	6
3	18	10	0	2	9	6	4	1	0	2	9	11	121	0	0	6	1	0	1	10	3
3	17	9	10¾	2	8	6	2¾	0	27	2	7¾	12	132	0	0	6	12	0	1	13	0
3	16	9	9¾	2	7	6	1¼	0	26	2	6¼	13	143	0	0	7	3	0	1	15	9
3	15	9	8¾	2	6	6	0¼	0	25	2	5¼	14	154	0	0	7	14	0	1	18	6
3	14	9	7¾	2	5	5	11	0	24	2	4	15	165	0	0	8	5	0	2	1	3
3	13	9	6¾	2	4	5	10	0	23	2	2¾	16	176	0	0	8	16	0	2	4	0
3	12	9	5¼	2	3	5	9	0	22	2	1¾	17	187	0	0	9	7	0	2	6	9
3	11	9	4	2	2	5	8	0	21	2	0¼	18	198	0	0	9	18	0	2	9	6
3	10	9	3	2	1	5	7	0	20	1	11	19	209	0	0	10	9	0	2	12	3
3	9	9	1¾	2	0	5	6	0	19	1	9¾	20	220	0	0	11	0	0	2	15	0
3	8	9	0¼	1	27	5	4¾	0	18	1	8¼	21	231	0	0	11	11	0	2	17	9
3	7	8	11¼	1	26	5	3¾	0	17	1	7¼	22	242	0	0	12	2	0	3	0	6
3	6	8	10	1	25	5	2¼	0	16	1	6¼	23	253	0	0	12	13	0	3	3	3
3	5	8	8¾	1	24	5	1	0	15	1	5¼	24	264	0	0	13	4	0	3	6	0
3	4	8	7¾	1	23	5	0	0	14	1	4¼	25	275	0	0	13	15	0	3	8	9
3	3	8	6¼	1	22	4	10¾	0	13	1	3¼	26	286	0	0	14	6	0	3	11	6
3	2	8	5	1	21	4	9¾	0	12	1	1¾	27	297	0	0	14	17	0	3	14	3
3	1	8	4	1	20	4	8¼	0	11	1	0¼	28	308	0	0	15	8	0	3	17	0
3	0	8	3	1	19	4	7	0	10	0	11¼	29	319	0	0	15	19	0	3	19	9
2	27	8	1¾	1	18	4	5¾	0	9	0	10¼	30	330	0	0	16	10	0	4	2	6
2	26	8	0¼	1	17	4	4¾	0	8	0	9¼	31	341	0	0	17	1	0	4	5	3
2	25	7	11¼	1	16	4	3¼	0	7	0	8	32	352	0	0	17	12	0	4	8	0
2	24	7	10	1	15	4	2¾	0	6	0	6¾	33	363	0	0	18	3	0	4	10	9
2	23	7	9	1	14	4	1¼	0	5	0	5¾	34	374	0	0	18	14	0	4	13	6
2	22	7	7¾	1	13	4	0¼	0	4	0	4¼	35	385	0	0	19	5	0	4	16	3
2	21	7	6¾	1	12	3	11¼	0	3	0	3	36	396	0	0	19	16	0	4	19	0
2	20	7	5¼	1	11	3	10	0	2	0	2	37	407	0	0	20	7	0	5	1	9
2	19	7	4	1	10	3	9	0	1	0	1	38	418	0	0	20	18	0	5	4	6

£11 5s. per ton, 11s. 3d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£11 5s. per ton.			11s. 3d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 2s. 9¼d.		
qr. lb.	s.	d.	qr. lb.	s.	d	qr. lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3 27	11	2	2 18	7	5	1 9	3	8¼	2	22	10	0	1	2	6	0	5	7¼
3 26	11	0¾	2 17	7	3½	1 8	3	7	3	33	15	0	1	13	9	0	8	5½
3 25	10	11¼	2 16	7	2¼	1 7	3	5¾	4	45	0	0	2	5	0	0	11	3
3 24	10	10¼	2 15	7	1¼	1 6	3	4¼	5	66	5	0	2	16	3	0	14	0¾
3 23	10	9	2 14	7	0¾	1 5	3	3¼	6	67	10	0	3	7	6	0	16	10¼
3 22	10	7¾	2 13	6	11¾	1 4	3	2	7	78	15	0	3	18	9	0	19	8¼
3 21	10	6¾	2 12	6	10¼	1 3	3	0¾	8	90	0	0	4	10	0	1	2	6
3 20	10	5½	2 11	6	9	1 2	2	11¾	9	101	5	0	5	1	3	1	5	3¾
3 19	10	4	2 10	6	7¾	1 1	2	10¼	10	112	10	0	5	12	6	1	8	1¾
3 18	10	2¾	2 9	6	6¼	1 0	2	9¼	11	123	15	0	6	3	9	1	10	11¼
3 17	10	1¼	2 8	6	5¼	0 27	2	8¼	12	135	0	0	6	15	0	1	13	9
3 16	10	0¼	2 7	6	4	0 26	2	7¼	13	146	5	0	7	6	3	1	16	6¾
3 15	9	11¼	2 6	6	2¾	0 25	2	6	14	157	10	0	7	17	6	1	19	4¾
3 14	9	10¼	2 5	6	1¾	0 24	2	4¾	15	168	15	0	8	8	9	2	2	2¼
3 13	9	9	2 4	6	0¼	0 23	2	3¾	16	180	0	0	9	0	0	2	5	0
3 12	9	7¾	2 3	5	11	0 22	2	2¼	17	191	5	0	9	11	3	2	7	9¾
3 11	9	6¾	2 2	5	9¾	0 21	2	1	18	202	10	0	10	2	6	2	10	7¾
3 10	9	5½	2 1	5	8¼	0 20	1	11¾	19	213	15	0	10	13	9	2	13	5¼
3 9	9	4	2 0	5	7¼	0 19	1	10¾	20	225	0	0	11	5	0	2	16	3
3 8	9	2¾	1 27	5	6¼	0 18	1	9¼	21	236	5	0	11	16	3	2	19	0¾
3 7	9	1¾	1 26	5	5	0 17	1	8	22	247	10	0	12	7	6	3	1	10¾
3 6	9	0¼	1 25	5	3¾	0 16	1	6¾	23	258	15	0	12	18	9	3	4	8¼
3 5	8	11	1 24	5	2¾	0 15	1	5¼	24	270	0	0	13	10	0	3	7	6
3 4	8	9¾	1 23	5	1¾	0 14	1	4¾	25	281	5	0	14	1	3	3	10	3¾
3 3	8	8¾	1 22	5	0	0 13	1	3¾	26	293	10	0	14	12	6	3	13	1¾
3 2	8	7¾	1 21	4	10¾	0 12	1	2¼	27	303	15	0	15	3	9	3	15	11¼
3 1	8	6¾	1 20	4	9¾	0 11	1	1	28	315	0	0	15	15	0	3	18	9
3 0	8	5½	1 19	4	8¾	0 10	0	11¾	29	326	5	0	16	6	3	4	1	6¾
2 27	8	4¼	1 18	4	7¼	0 9	0	10¼	30	337	10	0	16	17	6	4	4	4¼
2 26	8	3	1 17	4	6	0 8	0	9¼	31	348	15	0	17	8	9	4	7	2¼
2 25	8	1¾	1 16	4	4¾	0 7	0	8	32	360	0	0	18	0	0	4	10	0
2 24	8	0¾	1 15	4	3¾	0 6	0	6¾	33	371	5	0	18	11	3	4	12	9¾
2 23	7	11¾	1 14	4	2¾	0 5	0	5¾	34	382	10	0	19	2	6	4	15	7¼
2 22	7	10	1 13	4	1¾	0 4	0	4¼	35	393	15	0	19	14	9	4	18	5¼
2 21	7	8¾	1 12	4	0	0 3	0	3	36	405	0	0	20	5	0	5	1	3
2 20	7	7¾	1 11	3	10¾	0 2	0	2	37	416	5	0	20	16	3	5	4	0¾
2 19	7	6¾	1 10	3	9¾	0 1	0	1	38	427	10	0	21	5	6	5	6	10¾

£11 10s. per ton, 11s. 6d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£11 10s. per ton.			11s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., aver. 2s. 10½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	£	s.	d.	£	s.	d.	£	s.	d.
3	27	11	5	2	18	7	7	1	9	3	9½	2	23	0	0	1	3	0	0	5	9
3	26	11	3⅝	2	17	7	5¼	1	8	3	8¼	3	34	10	0	1	14	6	0	8	7½
3	25	11	2¼	2	16	7	4½	1	7	3	7	4	46	0	0	2	6	0	0	11	6
3	24	11	1⅛	2	15	7	3¼	1	6	3	5¾	5	57	10	0	2	17	6	0	14	4½
3	23	11	0	2	14	7	2¼	1	5	3	4½	6	69	0	0	3	9	0	0	17	3
3	22	10	10¾	2	13	7	1	1	4	3	3¼	7	80	10	0	4	0	6	1	0	1½
3	21	10	9½	2	12	6	11⅜	1	3	3	2	8	92	0	0	4	12	0	1	3	0
3	20	10	8⅜	2	11	6	10⅛	1	2	3	0¾	9	103	10	0	5	3	6	1	5	10½
3	19	10	7¼	2	10	6	9¼	1	1	2	11⅝	10	115	0	0	5	15	0	1	8	9
3	18	10	6	2	9	6	8	1	0	2	10½	11	126	10	0	6	6	6	1	11	7½
3	17	10	4¾	2	8	6	6¼	0	27	2	9¼	12	138	0	0	6	18	0	1	14	6
3	16	10	3⅝	2	7	6	5⅛	0	26	2	8	13	149	10	0	7	9	6	1	17	4½
3	15	10	2	2	6	6	4¼	0	25	2	6¾	14	161	0	0	8	1	0	2	0	3
3	14	10	0¾	2	5	6	3	0	24	2	5½	15	172	10	0	8	12	6	2	3	1½
3	13	9	11⅝	2	4	6	1¾	0	23	2	4¼	16	184	0	0	9	4	0	2	6	0
3	12	9	10¼	2	3	6	0⅝	0	22	2	3	17	195	10	0	9	15	6	2	8	10½
3	11	9	9	2	2	5	11⅛	0	21	2	1¾	18	207	0	0	10	1	0	2	11	9
3	10	9	7⅞	2	1	5	10	0	20	2	0½	19	218	10	0	10	18	6	2	14	7½
3	9	9	6¾	2	0	5	9	0	19	1	11¼	20	230	0	0	11	10	0	2	17	6
3	8	9	5⅛	1	27	5	7¾	0	18	1	10	21	241	10	0	12	1	6	3	0	4½
3	7	9	4	1	26	5	6⅛	0	17	1	8½	22	253	0	0	12	13	0	3	3	3
3	6	9	2¾	1	25	5	5¼	0	16	1	7½	23	264	10	0	13	4	6	3	6	1½
3	5	9	1⅝	1	24	5	4	0	15	1	6¼	24	276	0	0	13	16	0	3	9	0
3	4	9	0½	1	23	5	2¾	0	14	1	5¼	25	287	10	0	14	7	6	3	11	10½
3	3	8	11	1	22	5	1⅝	0	13	1	4	26	299	0	0	14	19	0	3	14	9
3	2	8	9¾	1	21	5	0½	0	12	1	2¾	27	310	10	0	15	10	6	3	17	7½
3	1	8	8⅝	1	20	4	11	0	11	1	1⅝	28	322	0	0	16	2	0	4	0	6
3	0	8	7½	1	19	4	9¾	0	10	1	0¼	29	333	10	0	16	13	6	4	3	4½
2	27	8	6¼	1	18	4	8½	0	9	0	11	30	345	0	0	17	5	0	4	6	3
2	26	8	5	1	17	4	7¼	0	8	0	9¾	31	356	10	0	17	16	6	4	9	1½
2	25	8	3¾	1	16	4	6	0	7	0	8¼	32	368	0	0	18	8	0	4	12	0
2	24	8	2½	1	15	4	4¾	0	6	0	7¼	33	379	10	0	18	19	6	4	14	10½
2	23	8	1⅜	1	14	4	3½	0	5	0	6	34	391	0	0	19	11	0	4	17	9
2	22	8	0	1	13	4	2¼	0	4	0	4¾	35	402	10	0	20	2	6	5	0	7½
2	21	7	10½	1	12	4	1⅛	0	3	0	3½	36	414	0	0	20	14	0	5	3	6
2	20	7	9⅛	1	11	4	0	0	2	0	2¼	37	425	10	0	21	5	6	5	6	4½
2	19	7	8¼	1	10	3	10¾	0	1	0	1	38	437	0	0	21	17	0	5	9	3

£11 13*s.* 4*d.* per ton, 11*s.* 8*d.* per cwt. Rate per qr. cwt., stone, & lb.									No.	£11 13*s.*4*d* per ton.			11*s.* 8*d.* per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼yard, average 2*s.* 11*d.*		
qr.	lb.	*s.*	*d.*	qr.	lb.	*s.*	*d.*	qr.	lb.	*s.*	*d.*		£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*
3	27	11	6¾	2	18	7	8½	1	9	3	10½	2	23	6	8	1	3	4	0	5	10
3	26	11	5½	2	17	7	7¼	1	8	3	9	3	35	0	0	1	15	0	0	8	9
3	25	11	4¼	2	16	7	6	1	7	3	7¾	4	46	13	4	2	6	8	0	11	8
3	24	11	3	2	15	7	4¾	1	6	3	6½	5	58	6	8	2	18	4	0	14	7
3	23	11	1¾	2	14	7	3½	1	5	3	5¼	6	70	0	0	3	10	0	0	17	6
3	22	11	0¼	2	13	7	2¼	1	4	3	4	7	81	13	4	4	1	8	1	0	5
3	21	10	11¼	2	12	7	1	1	3	3	2¾	8	93	6	8	4	13	4	1	3	4
3	20	10	10	2	11	6	11¾	1	2	3	1½	9	105	0	0	5	5	0	1	6	3
3	19	10	8¾	2	10	6	10½	1	1	3	0¼	10	116	13	4	5	16	8	1	9	2
3	18	10	7½	2	9	6	9¼	1	0	2	11	11	128	6	8	6	8	4	1	12	1
3	17	10	6¼	2	8	6	8	0	27	2	9¾	12	140	0	0	7	0	0	1	15	0
3	16	10	5	2	7	6	6¾	0	26	2	8½	13	151	13	4	7	11	8	1	17	11
3	15	10	3¾	2	6	6	5½	0	25	2	7¼	14	163	6	8	8	3	4	2	0	10
3	14	10	2¼	2	5	6	4¼	0	24	2	6	15	175	0	0	8	15	0	2	3	9
3	13	10	1¼	2	4	6	3	0	23	2	4¾	16	186	13	4	9	6	8	2	6	8
3	12	10	0	2	3	6	1¾	0	22	2	3½	17	198	6	8	9	18	4	2	9	7
3	11	9	10¾	2	2	6	0¼	0	21	2	2¼	18	210	0	0	10	10	0	2	12	6
3	10	9	9½	2	1	5	11¼	0	20	2	1	19	221	13	4	11	1	8	2	15	5
3	9	9	8¼	2	0	5	10	0	19	1	11¾	20	233	6	8	11	13	4	2	18	4
3	8	9	7	1	27	5	8¾	0	18	1	10½	21	245	0	0	12	5	0	3	1	3
3	7	9	5¾	1	26	5	7½	0	17	1	9¼	22	256	13	4	12	16	8	3	4	2
3	6	9	4½	1	25	5	6¼	0	16	1	8	23	268	6	8	13	8	4	3	7	1
3	5	9	3¼	1	24	5	5	0	15	1	6¾	24	280	0	0	14	0	0	3	10	0
3	4	9	2	1	23	5	3¾	0	14	1	5½	25	291	13	4	14	11	8	3	12	11
3	3	9	0¾	1	22	5	2½	0	13	1	4¼	26	303	6	8	15	3	4	3	15	10
3	2	8	11½	1	21	5	1¼	0	12	1	3	27	315	0	0	15	15	0	3	18	9
3	1	8	10¼	1	20	5	0	0	11	1	1¾	28	326	13	4	16	6	8	4	1	8
3	0	8	9	1	19	4	10¾	0	10	1	0¼	29	338	6	8	16	18	4	4	4	7
2	27	8	7¾	1	18	4	9½	0	9	0	11¼	30	350	0	0	17	10	0	4	7	6
2	26	8	6½	1	17	4	8¼	0	8	0	10	31	361	13	4	18	1	8	4	10	5
2	25	8	5¼	1	16	4	7	0	7	0	8¾	32	373	6	8	18	13	4	4	13	4
2	24	8	4	1	15	4	5¾	0	6	0	7½	33	385	0	0	19	5	0	4	16	3
2	23	8	2¾	1	14	4	4½	0	5	0	6¼	34	396	13	4	19	16	8	4	19	2
2	22	8	1½	1	13	4	3¼	0	4	0	5	35	408	6	8	20	8	4	5	2	1
2	21	8	0¼	1	12	4	2	0	3	0	3¾	36	420	0	0	21	0	0	5	5	0
2	20	7	11	1	11	4	0¾	0	2	0	2½	37	431	13	4	21	11	8	5	7	11
2	19	7	9¾	1	10	3	11¼	0	1	0	1¼	38	443	6	8	22	3	4	5	10	10

Note—1¼*d.* per lb.

£11 15s. per ton, 11s. 9d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£11 15s. per ton.			11s. 9d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 2s. 11¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr. lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	11	7⅜	2	18	7	9½	1	9	3 10½	2	23	10	0	1	3	6	0	5	10½
3	26	11	6½	2	17	7	8	1	8	3 9¼	3	35	5	0	1	15	3	0	8	9¾
3	25	11	5¼	2	16	7	6⅝	1	7	3 8	4	47	0	0	2	7	0	0	11	9
3	24	11	4	2	15	7	5½	1	6	3 6¾	5	58	15	0	2	18	9	0	14	8¼
3	23	11	2⅞	2	14	7	4¼	1	5	3 5⅛	6	70	10	0	3	10	6	0	17	7½
3	22	11	1¾	2	13	7	3	1	4	3 4¼	7	82	5	0	4	2	3	1	0	6¾
3	21	11	0¼	2	12	7	1⅞	1	3	3 3	8	94	0	0	4	14	0	1	3	6
3	20	10	11	2	11	7	0¼	1	2	3 1⅞	9	105	15	0	5	5	9	1	6	5¼
3	19	10	9¾	2	10	6	11¼	1	1	3 0¼	10	117	10	0	5	17	6	1	9	4½
3	18	10	8½	2	9	6	10	1	0	2 11¼	11	129	5	0	6	9	3	1	12	3¾
3	17	10	7¼	2	8	6	8¾	0	27	2 10	12	141	0	0	7	1	0	1	15	3
3	16	10	6	2	7	6	7¼	0	26	2 8¾	13	152	15	0	7	12	9	1	18	2¼
3	15	10	4⅞	2	6	6	6¼	0	25	2 7½	14	164	10	0	8	4	6	2	1	1½
3	14	10	3¾	2	5	6	5	0	24	2 6¼	15	176	5	0	8	16	3	2	4	0¾
3	13	10	2¼	2	4	6	3¾	0	23	2 5	16	188	0	0	9	8	0	2	7	0
3	12	10	1	2	3	6	2¼	0	22	2 3¾	17	199	15	0	9	19	9	2	9	11¼
3	11	9	11⅝	2	2	6	1	0	21	2 2¼	18	211	10	0	10	11	6	2	12	10½
3	10	9	10½	2	1	5	11⅝	0	20	2 1¼	19	223	5	0	11	3	3	2	15	9¾
3	9	9	9¼	2	0	5	10¼	0	19	2 0	20	235	0	0	11	15	0	2	18	9
3	8	9	8	1	27	5	9	0	18	1 10¾	21	246	15	0	12	6	9	3	1	8¼
3	7	9	6⅞	1	26	5	7¾	0	17	1 9¼	22	258	10	0	12	18	6	3	4	7½
3	6	9	5¾	1	25	5	6½	0	16	1 8	23	270	5	0	13	10	3	3	7	6¾
3	5	9	4⅝	1	24	5	5¼	0	15	1 6¾	24	282	0	0	14	2	0	3	10	6
3	4	9	3	1	23	5	4	0	14	1 5¼	25	293	15	0	14	13	9	3	13	5¼
3	3	9	1⅞	1	22	5	2¾	0	13	1 4¼	26	305	10	0	15	5	6	3	16	4½
3	2	9	0¾	1	21	5	1½	0	12	1 3	27	317	5	0	15	17	3	3	19	3¾
3	1	8	11¼	1	20	5	0¼	0	11	1 1⅞	28	329	0	0	16	9	0	4	2	3
3	0	8	9⅞	1	19	4	11	0	10	1 0¼	29	340	15	0	17	0	9	4	5	2¼
2	27	8	8½	1	18	4	9¾	0	9	0 11¼	30	352	10	0	17	12	6	4	8	1½
2	26	8	7½	1	17	4	8½	0	8	0 10	31	364	5	0	18	4	3	4	11	0¾
2	25	8	6	1	16	4	7¼	0	7	0 8¾	32	376	0	0	18	16	0	4	14	0
2	24	8	4⅞	1	15	4	6	0	6	0 7½	33	387	15	0	19	7	9	4	16	11¼
2	23	8	3¾	1	14	4	4¾	0	5	0 6¼	34	399	10	0	19	19	6	4	19	10½
2	22	8	2¼	1	13	4	3½	0	4	0 5	35	411	5	0	20	11	3	5	2	9¾
2	21	8	1	1	12	4	2¼	0	3	0 3¾	36	423	0	0	21	3	0	5	5	9
2	20	7	11⅜	1	11	4	1	0	2	0 2¼	37	434	15	0	21	14	9	5	8	8¼
2	19	7	10¼	1	10	3	11⅜	0	1	0 1¼	38	446	10	0	22	6	6	5	11	7½

£12 per ton, 12s. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£12 per ton.			12s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 3s.		
qr.	lb	s.	d.	qr	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	11	10⅞	2	18	7	11½	1	9	3	11⅝	2	24	0	0	1	4	0	0	6	0
3	26	11	9½	2	17	7	10½	1	8	3	10½	3	36	0	0	1	16	0	0	9	0
3	25	11	8½	2	16	7	9	1	7	3	9½	4	48	0	0	2	8	0	0	12	0
3	24	11	7	2	15	7	7½	1	6	3	8	5	60	0	0	3	0	0	0	15	0
3	23	11	5⅝	2	14	7	6	1	5	3	6⅝	6	72	0	0	3	12	0	0	18	0
3	22	11	4½	2	13	7	4⅝	1	4	3	5½	7	84	0	0	4	4	0	1	1	0
3	21	11	3½	2	12	7	3⅛	1	3	3	4½	8	96	0	0	4	16	0	1	4	0
3	20	11	2	2	11	7	2½	1	2	3	3	9	108	0	0	5	8	0	1	7	0
3	19	11	0⅞	2	10	7	1	1	1	3	1⅝	10	120	0	0	6	0	0	1	10	0
3	18	10	11½	2	9	6	11⅝	1	0	3	0	11	132	0	0	6	12	0	1	13	0
3	17	10	10½	2	8	6	10½	0	27	2	10⅝	12	144	0	0	7	4	0	1	16	0
3	16	10	9	2	7	6	9½	0	26	2	9½	13	156	0	0	7	16	0	1	19	0
3	15	10	7½	2	6	6	8	0	25	2	8¼	14	168	0	0	8	8	0	2	2	0
3	14	10	6	2	5	6	6⅝	0	24	2	7	15	180	0	0	9	0	0	2	5	0
3	13	10	4¾	2	4	6	5½	0	23	2	5⅞	16	192	0	0	9	12	0	2	8	0
3	12	10	3½	2	3	6	4½	0	22	2	4½	17	204	0	0	10	4	0	2	11	0
3	11	10	2½	2	2	6	3	0	21	2	3½	18	216	0	0	10	16	0	2	14	0
3	10	10	1	2	1	6	1½	0	20	2	2	19	228	0	0	11	8	0	2	17	0
3	9	9	11⅛	2	0	6	0	0	19	2	0⅛	20	240	0	0	12	0	0	3	0	0
3	8	9	10½	1	27	5	10⅝	0	18	1	11½	21	252	0	0	12	12	0	3	3	0
3	7	9	9½	1	26	5	9½	0	17	1	10½	22	264	0	0	13	4	0	3	6	0
3	6	9	8	1	25	5	8½	0	16	1	9	23	276	0	0	13	16	0	3	9	0
3	5	9	6⅞	1	24	5	7	0	15	1	7½	24	288	0	0	14	8	0	3	12	0
3	4	9	5½	1	23	5	5⅝	0	14	1	6	25	300	0	0	15	0	0	3	15	0
3	3	9	4½	1	22	5	4½	0	13	1	4⅝	26	312	0	0	15	12	0	3	18	0
3	2	9	3	1	21	5	3½	0	12	1	3½	27	324	0	0	16	4	0	4	1	0
3	1	9	1½	1	20	5	2	0	11	1	2	28	336	0	0	16	16	0	4	4	0
3	0	9	0	1	19	5	0⅝	0	10	1	0⅝	29	348	0	0	17	8	0	4	7	0
2	27	8	10⅝	1	18	4	11½	0	9	0	11½	30	360	0	0	18	0	0	4	10	0
2	26	8	9½	1	17	4	10½	0	8	0	10½	31	372	0	0	18	12	0	4	13	0
2	25	8	8½	1	16	4	9	0	7	0	9	32	384	0	0	19	4	0	4	16	0
2	24	8	7	1	15	4	7½	0	6	0	7½	33	396	0	0	19	16	0	4	19	0
2	23	8	5⅝	1	14	4	6	0	5	0	6½	34	408	0	0	20	8	0	5	2	0
2	22	8	4½	1	13	4	4⅝	0	4	0	5	35	420	0	0	21	0	0	5	5	0
2	21	8	3½	1	12	4	3½	0	3	0	3⅝	36	432	0	0	21	12	0	5	8	0
2	20	8	2	1	11	4	2½	0	2	0	2½	37	444	0	0	22	4	0	5	11	0
2	19	8	0⅝	1	10	4	1	0	1	0	1½	38	456	0	0	22	16	0	5	14	0

£12 5s. per ton, 12s. 3d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£12 5s. per ton.			12s. 3d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, aver. 3s. 0¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	12	1⅞	2	18	8	1⅞	1	9	4	1	2	24	10	0	1	4	6	0	6	1¼
3	26	12	0⅛	2	17	8	0⅛	1	8	3	11⅜	3	36	15	0	1	16	9	0	9	2¼
3	25	11	11	2	16	7	11	1	7	3	10¼	4	49	0	0	2	9	0	0	12	3
3	24	11	9⅜	2	15	7	9¼	1	6	3	9	5	61	5	0	3	1	3	0	15	3⅜
3	23	11	8¼	2	14	7	8¼	1	5	3	7⅜	6	73	10	0	3	13	6	0	18	4¼
3	22	11	7¼	2	13	7	7	1	4	3	6¼	7	85	15	0	4	5	9	1	1	5¼
3	21	11	6	2	12	7	5⅜	1	3	3	5	8	98	0	0	4	18	0	1	4	6
3	20	11	4⅜	2	11	7	4⅛	1	2	3	3⅜	9	110	5	0	5	10	3	1	7	6⅜
3	19	11	3⅛	2	10	7	3⅛	1	1	3	2¼	10	122	10	0	6	2	6	1	10	7¼
3	18	11	2⅛	2	9	7	2	1	0	3	0⅜	11	134	15	0	6	14	9	1	13	8¼
3	17	11	1	2	8	7	0⅛	0	27	2	11⅛	12	147	0	0	7	7	0	1	16	9
3	16	10	11⅛	2	7	6	11⅛	0	26	2	10¼	13	159	5	0	7	19	3	2	19	9⅜
3	15	10	10	2	6	6	10	0	25	2	9	14	171	10	0	8	11	6	2	2	10¼
3	14	10	8⅜	2	5	6	8⅜	0	24	2	7⅜	15	183	15	0	9	3	9	2	5	11¼
3	13	10	7⅛	2	4	6	7⅛	0	23	2	6⅛	16	196	0	0	9	16	0	2	9	0
3	12	10	6⅛	2	3	6	6	0	22	2	5	17	208	5	0	10	8	3	2	12	0⅜
3	11	10	5	2	2	6	4⅛	0	21	2	3⅜	18	220	10	0	11	0	6	2	15	1⅛
3	10	10	3⅛	2	1	6	3	0	20	2	2¼	19	232	15	0	11	12	9	2	18	2¼
3	9	10	2⅛	2	0	6	1⅛	0	19	2	1⅛	20	245	0	0	12	5	0	3	1	3
3	8	10	1	1	27	6	0	0	18	2	0	21	257	5	0	12	17	3	3	4	3⅜
3	7	9	11⅛	1	26	5	10⅜	0	17	1	10¼	22	269	10	0	13	9	6	3	7	4¼
3	6	9	10¼	1	25	5	9¼	0	16	1	9	23	281	15	0	14	1	9	3	10	5¼
3	5	9	9	1	24	5	8⅛	0	15	1	7⅜	24	294	0	0	14	14	0	3	13	6
3	4	9	7⅜	1	23	5	7	0	14	1	6⅛	25	306	5	0	15	6	3	3	16	6⅜
3	3	9	6⅛	1	22	5	5⅜	0	13	1	5	26	318	10	0	15	18	6	3	19	7¼
3	2	9	5⅛	1	21	5	4⅛	0	12	1	3⅜	27	330	15	0	16	10	9	4	2	8¼
3	1	9	4	1	20	5	3	0	11	1	2¼	28	343	0	0	17	3	0	4	5	9
3	0	9	2⅛	1	19	5	1⅜	0	10	1	1	29	355	5	0	17	15	3	4	8	9⅜
2	27	9	1⅛	1	18	5	0⅛	0	9	0	11⅛	30	367	10	0	18	7	6	4	11	10¼
2	26	8	11⅛	1	17	4	11⅛	0	8	0	10¼	31	379	15	0	18	19	9	4	14	11¼
2	25	8	10⅛	1	16	4	10	0	7	0	9	32	392	0	0	19	12	0	4	18	0
2	24	8	9⅛	1	15	4	8⅛	0	6	0	7⅜	33	404	5	0	20	4	3	5	1	0⅜
2	23	8	8	1	14	4	7¼	0	5	0	6⅛	34	416	10	0	20	16	6	5	4	1⅛
2	22	8	6⅜	1	13	4	6	0	4	0	5	35	428	15	0	21	8	9	5	7	2¼
2	21	8	5⅛	1	12	4	4⅜	0	3	0	3⅜	36	441	0	0	22	1	0	5	10	3
2	20	8	4⅛	1	11	4	3⅛	0	2	0	2¼	37	453	5	0	22	13	3	5	13	3⅜
2	19	8	3	1	10	4	2⅛	0	1	0	1⅛	38	465	10	0	23	5	6	5	16	4½

£12 10s. per ton, 12s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£12 10s. per ton.			12s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 3s. 1½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	12	4¾	2	18	8	3½	1	9	4	1¾	2	25	0	0	1	5	0	0	6	3
3	26	12	3¾	2	17	8	2	1	8	4	0	3	37	10	0	1	17	6	0	9	4½
3	25	12	2	2	16	8	0¾	1	7	3	10¾	4	50	0	0	2	10	0	0	12	6
3	24	12	0¾	2	15	7	11	1	6	3	9¾	5	62	10	0	3	2	6	0	15	7¾
3	23	11	11¾	2	14	7	9¾	1	5	3	8	6	75	0	0	3	15	0	0	18	9
3	22	11	10¾	2	13	7	8¾	1	4	3	6¾	7	87	10	0	4	7	6	1	1	10½
3	21	11	9	2	12	7	7	1	3	3	5¾	8	100	0	0	5	0	0	1	5	0
3	20	11	7¾	2	11	7	5¾	1	2	3	4¾	9	112	10	0	5	12	6	1	8	1¾
3	19	11	6	2	10	7	4¾	1	1	3	3	10	125	0	0	6	5	0	1	11	3
3	18	11	4¾	2	9	7	3	1	0	3	1¾	11	137	10	0	6	17	6	1	14	4¾
3	17	11	3¾	2	8	7	1¾	0	27	3	0	12	150	0	0	7	10	0	1	17	6
3	16	11	2	2	7	7	0	0	26	2	10¾	13	162	10	0	8	2	6	2	0	7¾
3	15	11	0¾	2	6	6	10¾	0	25	2	9¾	14	175	0	0	8	15	0	2	3	9
3	14	10	11¾	2	5	6	9¾	0	24	2	9	15	187	10	0	9	7	6	2	6	10¾
3	13	10	10	2	4	6	8¾	0	23	2	7¾	16	200	0	0	10	0	0	2	10	0
3	12	10	8¾	2	3	6	7	0	22	2	6¾	17	212	10	0	10	12	6	2	13	1¾
3	11	10	7¾	2	2	6	5¾	0	21	2	5	18	225	0	0	11	5	0	2	16	3
3	10	10	6	2	1	6	4¾	0	20	2	3¾	19	237	10	0	11	17	6	2	19	4¾
3	9	10	4¾	2	0	6	3	0	19	2	2¾	20	250	0	0	12	10	0	3	2	6
3	8	10	3¾	1	27	6	1¾	0	18	2	0¾	21	262	10	0	13	2	6	3	5	7¾
3	7	10	2	1	26	6	0	0	17	1	11¾	22	275	0	0	13	15	0	3	8	9
3	6	10	0¾	1	25	5	10¾	0	16	1	9¾	23	287	10	0	14	7	6	3	11	10¾
3	5	9	11¾	1	24	5	9¾	0	15	1	8¾	24	300	0	0	15	0	0	3	15	0
3	4	9	10	1	23	5	8	0	14	1	6¾	25	312	10	0	15	12	6	3	18	1¾
3	3	9	8¾	1	22	5	6¾	0	13	1	5¾	26	325	0	0	16	5	0	4	1	3
3	2	9	7	1	21	5	5¾	0	12	1	4	27	337	10	0	16	17	6	4	4	4¾
3	1	9	5¾	1	20	5	4	0	11	1	2¾	28	350	0	0	17	10	0	4	7	6
3	0	9	4¾	1	19	5	2¾	0	10	1	1¾	29	362	10	0	18	2	6	4	10	7¾
2	27	9	3	1	18	5	1¾	0	9	1	0	30	375	0	0	18	15	0	4	13	9
2	26	9	1¾	1	17	5	0	0	8	0	10¾	31	387	10	0	19	7	6	4	16	10¾
2	25	9	0	1	16	4	10¾	0	7	0	9¾	32	400	0	0	20	0	0	5	0	0
2	24	8	10¾	1	15	4	9¾	0	6	0	8	33	412	10	0	20	12	6	5	3	1¾
2	23	8	9¾	1	14	4	8¾	0	5	0	6¾	34	425	0	0	21	5	0	5	6	3
2	22	8	8¾	1	13	4	7	0	4	0	5¾	35	437	10	0	21	17	6	5	9	4¾
2	21	8	7	1	12	4	5¾	0	3	0	3¾	36	450	0	0	22	10	0	5	12	6
2	20	8	5¾	1	11	4	4¾	0	2	0	2¾	37	462	10	0	23	2	6	5	15	7¾
2	19	8	4¾	1	10	4	3	0	1	0	1¾	38	475	0	0	23	15	0	5	18	9

£12 15s. per ton, 12s. 9d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£12 15s. per ton.			12s. 9d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 3s. 2½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	12	7¾	2	18	8	5	1	9	4	2½	2	25	10	0	1	5	6	0	6	4½
3	26	12	6½	2	17	8	3¾	1	8	4	1	3	38	5	0	1	18	9	0	9	6¾
3	25	12	5	2	16	8	2½	1	7	3	11½	4	51	0	0	2	11	0	0	12	9
3	24	12	3¾	2	15	8	1¼	1	6	3	10	5	63	15	0	3	3	9	0	15	11¼
3	23	12	2½	2	14	8	0	1	5	3	8½	6	76	10	0	3	16	6	0	19	1½
3	22	12	1¼	2	13	7	10½	1	4	3	7¼	7	89	5	0	4	9	3	1	2	3¾
3	21	12	0	2	12	7	9	1	3	3	6	8	102	0	0	5	2	0	1	5	6
3	20	11	10¾	2	11	7	7¾	1	2	3	4¾	9	114	15	0	5	14	9	1	8	8¼
3	19	11	9	2	10	7	6¼	1	1	3	3¼	10	127	10	0	6	7	6	1	11	10½
3	18	11	7¼	2	9	7	6	1	0	3	2¼	11	140	5	0	7	0	3	1	15	0¾
3	17	11	6	2	8	7	4¾	0	27	3	1	12	153	0	0	7	13	0	1	18	3
3	16	11	4¾	2	7	7	3	0	26	2	11½	13	165	15	0	8	5	9	2	1	5¼
3	15	11	3¼	2	6	7	1¾	0	25	2	10	14	178	10	0	8	18	6	2	4	7¼
3	14	11	2	2	5	7	0	0	24	2	8¾	15	191	5	0	9	11	3	2	7	9¾
3	13	11	0¾	2	4	6	10½	0	23	2	7¼	16	204	0	0	10	4	0	2	11	0
3	12	10	11	2	3	6	9	0	22	2	6	17	216	15	0	10	16	9	2	14	2¼
3	11	10	9½	2	2	6	7¾	0	21	2	4¾	18	229	10	0	11	9	6	2	17	4½
3	10	10	8	2	1	6	6	0	20	2	3½	19	242	5	0	12	2	3	3	0	6¾
3	9	10	6¾	2	0	6	4½	0	19	2	2	20	255	0	0	12	15	0	3	3	9
3	8	10	5½	1	27	6	3	0	18	2	0¼	21	267	15	0	13	7	9	3	6	11¼
3	7	10	4¼	1	26	6	1¾	0	17	1	11¼	22	280	10	0	14	0	6	3	10	1¼
3	6	10	3	1	25	6	0	0	16	1	9¾	23	293	5	0	14	13	3	3	13	3¾
3	5	10	1¾	1	24	5	10½	0	15	1	8¼	24	306	0	0	15	6	0	3	16	6
3	4	10	0½	1	23	5	9	0	14	1	7	25	318	15	0	15	18	9	3	19	8¼
3	3	9	11¼	1	22	5	7½	0	13	1	5¾	26	331	10	0	16	11	6	4	2	10¼
3	2	9	9¾	1	21	5	6¼	0	12	1	4½	27	344	5	0	17	4	3	4	6	0¾
3	1	9	8¼	1	20	5	5	0	11	1	3	28	357	0	0	17	17	0	4	9	3
3	0	9	6¾	1	19	5	3¾	0	10	1	1½	29	369	15	0	18	9	9	4	12	5¼
2	27	9	5½	1	18	5	2½	0	9	1	0¼	30	382	10	0	19	2	6	4	15	7¼
2	26	9	4¼	1	17	5	1¼	0	8	0	11	31	395	5	0	19	15	3	4	18	9¾
2	25	9	3	1	16	5	0	0	7	0	9¾	32	408	0	0	20	8	0	5	2	0
2	24	9	1¾	1	15	4	10¾	0	6	0	8¼	33	420	15	0	21	0	9	5	5	2¼
2	23	9	0½	1	14	4	9¼	0	5	0	6¾	34	433	10	0	21	13	6	5	8	4½
2	22	8	11	1	13	4	8	0	4	0	5¼	35	446	5	0	22	6	3	5	11	6¾
2	21	8	9¼	1	12	4	6¼	0	3	0	3¾	36	459	0	0	22	19	0	5	14	9
2	20	8	8	1	11	4	5¼	0	2	0	2¼	37	471	15	0	23	11	9	5	17	11¼
2	19	8	6¾	1	10	4	4	0	1	0	1¼	38	484	10	0	24	4	0	6	1	1¾

£13 per ton, 13s. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£13 per ton.			13s. per cwt., bush., day, or yard.			qr. cwt., peck, ½ day, ¼ yd., average 3s. 3d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	12	10¾	2	18	8	7½	1	9	4	3¾	2	26	0	0	1	6	0	0	6	6
3	26	12	9¼	2	17	8	6	1	8	4	2¼	3	39	0	0	1	19	0	0	9	9
3	25	12	8	2	16	8	4½	1	7	4	1	4	52	0	0	2	12	0	0	13	0
3	24	12	6¾	2	15	8	3	1	6	3	11¼	5	65	0	0	3	5	0	0	16	3
3	23	12	5	2	14	8	1½	1	5	3	10	6	78	0	0	3	18	0	0	19	6
3	22	12	3¼	2	13	8	0	1	4	3	8¼	7	91	0	0	4	11	0	1	2	9
3	21	12	2	2	12	7	10¾	1	3	3	7¼	8	104	0	0	5	4	0	1	6	0
3	20	12	1½	2	11	7	9¼	1	2	3	6	9	117	0	0	5	17	0	1	9	3
3	19	12	0	2	10	7	8	1	1	3	4¼	10	130	0	0	6	10	0	1	12	6
3	18	11	10½	2	9	7	6½	1	0	3	3	11	143	0	0	7	3	0	1	15	9
3	17	11	9	2	8	7	5	0	27	3	1½	12	156	0	0	7	16	0	1	19	0
3	16	11	7¾	2	7	7	3¾	0	26	3	0	13	169	0	0	8	9	0	2	2	3
3	15	11	6	2	6	7	2¼	0	25	2	10¼	14	182	0	0	9	2	0	2	5	6
3	14	11	4¾	2	5	7	1½	0	24	2	9	15	195	0	0	9	15	0	2	8	9
3	13	11	3	2	4	7	0	0	23	2	7½	16	208	0	0	10	8	0	2	12	0
3	12	11	1¾	2	3	6	10½	0	22	2	6	17	221	0	0	11	1	0	2	15	3
3	11	11	0	2	2	6	9	0	21	2	4½	18	234	0	0	11	14	0	2	18	6
3	10	10	10¾	2	1	6	7½	0	20	2	3	19	247	0	0	12	7	0	3	1	9
3	9	10	9	2	0	6	6	0	19	2	1¾	20	260	0	0	13	0	0	3	5	0
3	8	10	7¾	1	27	6	4½	0	18	2	0¼	21	273	0	0	13	13	0	3	8	3
3	7	10	6	1	26	6	3	0	17	1	11¼	22	286	0	0	14	6	0	3	11	6
3	6	10	4¼	1	25	6	1½	0	16	1	10	23	299	0	0	14	19	0	3	14	9
3	5	10	3¼	1	24	6	0	0	15	1	8¾	24	312	0	0	15	12	0	3	18	0
3	4	10	2	1	23	5	10½	0	14	1	7½	25	325	0	0	16	5	0	4	1	3
3	3	10	0¾	1	22	5	9¼	0	13	1	6	26	338	0	0	16	18	0	4	4	6
3	2	9	11¼	1	21	5	8	0	12	1	4¾	27	351	0	0	17	11	0	4	7	9
3	1	9	10¼	1	20	5	6¾	0	11	1	3¼	28	364	0	0	18	4	0	4	11	0
3	0	9	9	1	19	5	5¼	0	10	1	2	29	377	0	0	18	17	0	4	14	3
2	27	9	7¼	1	18	5	4¼	0	9	1	0¼	30	390	0	0	19	10	0	4	17	6
2	26	9	6¼	1	17	5	3	0	8	0	11¼	31	403	0	0	20	3	0	5	0	9
2	25	9	5	1	16	5	1½	0	7	0	10	32	416	0	0	20	16	0	5	4	0
2	24	9	3¾	1	15	5	0	0	6	0	8¼	33	429	0	0	21	9	0	5	7	3
2	23	9	2¼	1	14	4	10½	0	5	0	7	34	442	0	0	22	2	0	5	10	6
2	22	9	1¼	1	13	4	9	0	4	0	5¼	35	455	0	0	22	15	0	5	13	9
2	21	9	0	1	12	4	7½	0	3	0	4	36	468	0	0	23	8	0	5	17	0
2	20	8	10¼	1	11	4	6	0	2	0	2¼	37	481	0	0	24	1	0	6	0	3
2	19	8	9	1	10	4	4¾	0	1	0	1¼	38	494	0	0	24	14	0	6	3	6

£13 5s. per ton, 13s. 3d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£13 5s. per ton.			13s. 3d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, aver. 3s. 3¼d		
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	13	1¾	2	18	8	9	1	9	4	4½	2	26	10	0	1	6	6	0	6	7½
3	26	13	0½	2	17	8	7¾	1	8	4	3	3	39	15	0	1	19	9	0	9	11¼
3	25	12	11	2	16	8	6¼	1	7	4	1½	4	53	0	0	2	13	0	0	13	3
3	24	12	9¾	2	15	8	5	1	6	4	0	5	66	5	0	3	6	3	0	16	6¾
3	23	12	8	2	14	8	3¾	1	5	3	10½	6	79	10	0	3	19	6	0	19	10½
3	22	12	6¼	2	13	8	2½	1	4	3	9	7	92	15	0	4	12	9	1	3	2¼
3	21	12	5	2	12	8	1	1	3	3	7¾	8	106	0	0	5	6	0	1	6	6
3	20	12	3¾	2	11	7	11¼	1	2	3	6½	9	119	5	0	5	19	3	1	9	9¾
3	19	12	2	2	10	7	10	1	1	3	5	10	132	10	0	6	12	6	1	13	1¼
3	18	12	0¾	2	9	7	8¾	1	0	3	3¾	11	145	15	0	7	5	9	1	16	5¼
3	17	11	11¼	2	8	7	7¼	0	27	3	2¼	12	159	0	0	7	19	0	1	19	9
3	16	11	10	2	7	7	6	0	26	3	1	13	172	5	0	8	12	3	2	3	0¾
3	15	11	8¾	2	6	7	4¾	0	25	2	11¾	14	185	10	0	9	5	6	2	6	4¼
3	14	11	7¼	2	5	7	3	0	24	2	10	15	198	15	0	9	18	9	2	9	8¼
3	13	11	6	2	4	7	1½	0	23	2	8¾	16	212	0	0	10	12	0	2	13	0
3	12	11	4¾	2	3	7	0	0	22	2	7¼	17	225	5	0	11	5	3	2	16	3¾
3	11	11	3	2	2	6	10¾	0	21	2	6	18	238	10	0	11	18	6	2	19	7¼
3	10	11	1¾	2	1	6	9	0	20	2	4¾	19	251	15	0	12	11	9	3	2	11¼
3	9	11	0	2	0	6	7¾	0	19	2	3	20	265	0	0	13	5	0	3	6	3
3	8	10	10¾	1	27	6	6	0	18	2	1¾	21	278	5	0	13	18	3	3	9	6¾
3	7	10	9	1	26	6	4¾	0	17	2	0	22	291	10	0	14	11	6	3	12	10¼
3	6	10	7¾	1	25	6	3	0	16	1	10¾	23	304	15	0	15	4	9	3	16	2¼
3	5	10	6	1	24	6	1¾	0	15	1	9	24	318	0	0	15	18	0	4	19	6
3	4	10	4¾	1	23	6	0	0	14	1	7¾	25	331	5	0	16	11	3	4	2	9¾
3	3	10	3¼	1	22	5	10¾	0	13	1	6¼	26	344	10	0	17	4	6	4	6	1¼
3	2	10	2	1	21	5	9	0	12	1	5	27	357	15	0	17	17	9	4	9	5¼
3	1	10	0¾	1	20	5	7¾	0	11	1	3¾	28	371	0	0	18	11	0	4	12	9
3	0	9	11¼	1	19	5	6	0	10	1	2¼	29	384	5	0	19	4	3	4	16	0¾
2	27	9	10	1	18	5	4¾	0	9	1	1	30	397	10	0	19	17	6	4	19	4¼
2	26	9	8¼	1	17	5	3¼	0	8	0	11¼	31	410	15	0	20	10	9	5	2	8¼
2	25	9	7	1	16	5	2¼	0	7	0	10	32	424	0	0	21	4	0	5	6	0
2	24	9	5¾	1	15	5	1	0	6	0	8¾	33	437	5	0	21	17	3	5	9	3¾
2	23	9	4¼	1	14	4	11¾	0	5	0	7	34	450	10	0	22	10	6	5	12	7¼
2	22	9	3	1	13	4	10¾	0	4	0	5¾	35	463	15	0	23	3	9	5	15	11¼
2	21	9	1¾	1	12	4	9	0	3	0	4	36	477	0	0	23	17	0	5	19	3
2	20	9	0	1	11	4	7¾	0	2	0	2¾	37	490	5	0	24	10	3	6	2	6¾
2	19	8	10¾	1	10	4	6	0	1	0	1½	38	503	10	0	25	3	6	6	5	

£13 10s. per ton, 13s. 6d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£13 10s. per ton.			13s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 3s. 4½d.		
qr.	lb	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	13	4¾	2	18	8	10½	1	9	4	5½	2	27	0	0	1	7	0	0	6	9
3	26	13	3½	2	17	8	9½	1	8	4	4	3	40	10	0	2	0	0	0	10	1½
3	25	13	2	2	16	8	8	1	7	4	2½	4	54	0	0	2	14	0	0	13	6
3	24	13	0½	2	15	8	6½	1	6	4	1	5	67	10	0	3	7	0	0	16	10½
3	23	12	11	2	14	8	5½	1	5	3	11½	6	81	0	0	4	1	0	1	0	3
3	22	12	9½	2	13	8	4	1	4	3	10	7	94	10	0	4	14	0	1	3	7½
3	21	12	8	2	12	8	2½	1	3	3	8½	8	108	0	0	5	8	0	1	7	0
3	20	12	6½	2	11	8	1	1	2	3	7½	9	121	10	0	6	1	0	1	10	4½
3	19	12	5	2	10	7	11½	1	1	3	5½	10	135	0	0	6	15	0	1	13	9
3	18	12	3½	2	9	7	10	1	0	3	4½	11	148	10	0	7	8	0	1	17	1½
3	17	12	2	2	8	7	8½	0	27	3	3	12	162	0	0	8	2	0	2	0	6
3	16	12	0½	2	7	7	7	0	26	3	1½	13	175	10	0	8	15	0	2	3	10½
3	15	11	11	2	6	7	5½	0	25	3	0	14	189	0	0	9	9	0	2	7	3
3	14	11	9½	2	5	7	4	0	24	2	10½	15	202	10	0	10	2	0	2	10	7½
3	13	11	8½	2	4	7	2½	0	23	2	9	16	216	0	0	10	16	0	2	14	0
3	12	11	7	2	3	7	1	0	22	2	7½	17	229	10	0	11	9	0	2	17	4½
3	11	11	5½	2	2	6	11½	0	21	2	6	18	243	0	0	12	3	0	3	0	9
3	10	11	4	2	1	6	10¼	0	20	2	4½	19	256	10	0	12	16	0	3	4	1½
3	9	11	2½	2	0	6	9	0	19	2	3½	20	270	0	0	13	10	0	3	7	6
3	8	11	1	1	27	6	7½	0	18	2	2	21	283	10	0	14	3	0	3	10	10½
3	7	10	11½	1	26	6	6	0	17	2	0½	22	297	0	0	14	17	0	3	14	3
3	6	10	10	1	25	6	4½	0	16	1	11	23	310	10	0	15	10	0	3	17	7½
3	5	10	8½	1	24	6	3	0	15	1	9½	24	324	0	0	16	4	0	4	1	0
3	4	10	7	1	23	6	1½	0	14	1	8½	25	337	10	0	16	17	0	4	4	4½
3	3	10	5½	1	22	6	0	0	13	1	7	26	351	0	0	17	11	0	4	7	9
3	2	10	4	1	21	5	10¾	0	12	1	5½	27	364	10	0	18	4	0	4	11	1½
3	1	10	2½	1	20	5	9½	0	11	1	4	28	378	0	0	18	18	0	4	14	6
3	0	10	1½	1	19	5	8	0	10	1	2½	29	391	10	0	19	11	0	4	17	10½
2	27	10	0	1	18	5	6½	0	9	1	1	30	405	0	0	20	5	0	5	1	3
2	26	9	10¾	1	17	5	5	0	8	0	11½	31	418	10	0	20	18	0	5	4	7½
2	25	9	9	1	16	5	3½	0	7	0	10	32	432	0	0	21	12	0	5	8	0
2	24	9	7½	1	15	5	2	0	6	0	8½	33	445	10	0	22	5	0	5	11	4½
2	23	9	6	1	14	5	0½	0	5	0	7	34	459	0	0	22	19	0	5	14	9
2	22	9	4½	1	13	4	11½	0	4	0	5½	35	472	10	0	23	12	0	5	18	1½
2	21	9	3	1	12	4	10	0	3	0	4	36	486	0	0	24	6	0	6	1	6
2	20	9	1½	1	11	4	8½	0	2	0	2½	37	499	10	0	24	19	0	6	4	10½
2	19	8	0	1	10	4	7	0	1	0	1½	38	513	0	0	25	13	0	6	8	3

£13 15s. per ton, 13s. 9d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£13 15s. per ton.			13s. 9d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 3s. 5¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	13	7¾	2	18	9	1	1	9	4	6¼	2	27	10	0	1	7	6	0	6	10¼
3	26	13	6¼	2	17	8	11¼	1	8	4	5	3	41	5	0	2	1	3	0	10	3¾
3	25	13	5	2	16	8	10¼	1	7	4	3¾	4	55	0	0	2	15	0	0	13	9
3	24	13	3¾	2	15	8	9	1	6	4	2	5	68	15	0	3	8	9	0	17	2¾
3	23	13	2	2	14	8	7¾	1	5	4	0¾	6	82	10	0	4	2	6	1	0	7¾
3	22	13	0¾	2	13	8	6	1	4	3	11	7	96	5	0	4	16	3	1	4	0¾
3	21	12	11	2	12	8	4¾	1	3	3	9¾	8	110	0	0	5	10	0	1	7	6
3	20	12	9¾	2	11	8	3	1	2	3	8	9	123	15	0	6	3	9	1	10	11¾
3	19	12	8	2	10	8	1¾	1	1	3	6¾	10	137	10	0	6	17	6	1	14	4¾
3	18	12	6¾	2	9	8	0	1	0	3	5¾	11	151	5	0	7	11	3	1	17	9¾
3	17	12	5	2	8	7	10¾	0	27	3	4	12	165	0	0	8	5	0	2	1	3
3	16	12	3¾	2	7	7	9	0	26	3	2¾	13	178	15	0	8	18	9	2	4	8¾
3	15	12	2	2	6	7	7¾	0	25	3	1	14	192	10	0	9	12	6	2	8	1¾
3	14	12	0¾	2	5	7	6	0	24	2	11¾	15	206	5	0	10	6	3	2	11	6¾
3	13	11	11	2	4	7	4¾	0	23	2	10	16	220	0	0	11	0	0	2	15	0
3	12	11	9¾	2	3	7	3	0	22	2	8¾	17	233	15	0	11	13	9	2	18	5¾
3	11	11	8	2	2	7	1¾	0	21	2	7	18	247	10	0	12	7	6	3	1	10¾
3	10	11	6¾	2	1	7	0	0	20	2	5¾	19	261	5	0	13	1	3	3	5	3¾
3	9	11	5	2	0	6	10¾	0	19	2	4	20	275	0	0	13	15	0	3	8	9
3	8	11	3¾	1	27	6	9	0	18	2	2¾	21	288	15	0	14	8	9	3	12	2¾
3	7	11	2	1	26	6	7¾	0	17	2	1	22	302	10	0	15	2	6	3	15	7¾
3	6	11	0¾	1	25	6	6	0	16	1	11¾	23	316	5	0	15	16	3	3	19	0¾
3	5	10	11	1	24	6	4¾	0	15	1	10	24	330	0	0	16	10	0	4	2	6
3	4	10	9¾	1	23	6	3	0	14	1	8¾	25	343	15	0	17	3	9	4	5	11¾
3	3	10	8	1	22	6	1¾	0	13	1	7	26	357	10	0	17	17	6	4	9	4¾
3	2	10	6¾	1	21	6	0	0	12	1	5¾	27	371	5	0	18	11	3	4	12	9¾
3	1	10	5¾	1	20	5	10¾	0	11	1	4	28	385	0	0	19	5	0	4	16	3
3	0	10	3¾	1	19	5	9	0	10	1	2¾	29	398	15	0	19	18	9	4	19	8¾
2	27	10	2¾	1	18	5	7¾	0	9	1	1	30	412	10	0	20	12	6	5	3	1¾
2	26	10	1	1	17	5	6¾	0	8	0	11¾	31	426	5	0	21	6	3	5	6	6¾
2	25	9	11¾	1	16	5	5	0	7	0	10	32	440	0	0	22	0	0	5	10	0
2	24	9	10	1	15	5	3¾	0	6	0	8¾	33	453	15	0	22	13	9	5	13	5¾
2	23	9	8¾	1	14	5	2	0	5	0	7	34	467	10	0	23	7	6	5	16	10¾
2	22	9	7	1	13	5	0¾	0	4	0	5¾	35	481	5	0	24	1	3	6	0	3¾
2	21	9	5¾	1	12	4	11	0	3	0	4	36	495	0	0	24	15	0	6	3	9
2	20	9	4	1	11	4	9¾	0	2	0	2¾	37	508	15	0	25	8	9	6	7	2¾
2	19	9	2¾	1	10	4	8	0	1	0	1¾	38	522	10	0	26	2	6	6	10	7¾

£14 per ton, 14s. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£14 per ton.			14s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 3s.6d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	13	10½	2	18	9	3	1	9	4	7½	2	28	0	0	1	8	0	0	7	0
3	26	13	9	2	17	9	1½	1	8	4	6	3	42	0	0	2	2	0	0	10	6
3	25	13	7½	2	16	9	0	1	7	4	4½	4	56	0	0	2	16	0	0	14	0
3	24	13	6	2	15	8	10½	1	6	4	3	5	70	0	0	3	10	0	0	17	6
3	23	13	4½	2	14	8	9	1	5	4	1½	6	84	0	0	4	4	0	1	1	0
3	22	13	3	2	13	8	7½	1	4	4	0	7	98	0	0	4	18	0	1	4	6
3	21	13	1½	2	12	8	6	1	3	3	10½	8	112	0	0	5	12	0	1	8	0
3	20	13	0	2	11	8	4½	1	2	3	9	9	126	0	0	6	6	0	1	11	6
3	19	12	10½	2	10	8	3	1	1	3	7½	10	140	0	0	7	0	0	1	15	0
3	18	12	9	2	9	8	1½	1	0	3	6	11	154	0	0	7	14	0	1	18	6
3	17	12	7½	2	8	8	0	0	27	3	4½	12	168	0	0	8	8	0	2	2	0
3	16	12	6	2	7	7	10½	0	26	3	3	13	182	0	0	9	2	0	2	5	6
3	15	12	4½	2	6	7	9	0	25	3	1½	14	196	0	0	9	16	0	2	9	0
3	14	12	3	2	5	7	7½	0	24	3	0	15	210	0	0	10	10	0	2	12	6
3	13	12	1½	2	4	7	6	0	23	2	10½	16	224	0	0	11	4	0	2	16	0
3	12	12	0	2	3	7	4½	0	22	2	9	17	238	0	0	11	18	0	2	19	6
3	11	11	10½	2	2	7	3	0	21	2	7½	18	252	0	0	12	12	0	3	3	0
3	10	11	9	2	1	7	1½	0	20	2	6	19	266	0	0	13	6	0	3	6	6
3	9	11	7½	2	0	7	0	0	19	2	4½	20	280	0	0	14	0	0	3	10	0
3	8	11	6	1	27	6	10½	0	18	2	3	21	294	0	0	14	14	0	3	13	6
3	7	11	4½	1	26	6	9	0	17	2	1½	22	308	0	0	15	8	0	3	17	0
3	6	11	3	1	25	6	7½	0	16	2	0	23	322	0	0	16	2	0	4	0	6
3	5	11	1½	1	24	6	6	0	15	1	10½	24	336	0	0	16	16	0	4	4	0
3	4	11	0	1	23	6	4½	0	14	1	9	25	350	0	0	17	10	0	4	7	6
3	3	10	10½	1	22	6	3	0	13	1	7½	26	364	0	0	18	4	0	4	10	0
3	2	10	9	1	21	6	1½	0	12	1	6	27	378	0	0	18	18	0	4	14	6
3	1	10	7½	1	20	6	0	0	11	1	4½	28	392	0	0	19	12	0	4	18	0
3	0	10	6	1	19	5	10½	0	10	1	3	29	406	0	0	20	6	0	5	1	6
2	27	10	4½	1	18	5	9	0	9	1	1½	30	420	0	0	21	0	0	5	5	0
2	26	10	3	1	17	5	7½	0	8	1	0	31	434	0	0	21	14	0	5	8	6
2	25	10	1½	1	16	5	6	0	7	0	10½	32	448	0	0	22	8	0	5	12	0
2	24	10	0	1	15	5	4½	0	6	0	9	33	462	0	0	23	2	0	5	15	6
2	23	9	10½	1	14	5	3	0	5	0	7½	34	476	0	0	23	16	0	5	19	0
2	22	9	9	1	13	5	1½	0	4	0	6	35	490	0	0	24	10	0	6	2	6
2	21	9	7½	1	12	5	0	0	3	0	4½	36	504	0	0	25	4	0	6	6	0
2	20	9	6	1	11	4	10½	0	2	0	3	37	518	0	0	25	18	0	6	9	6
2	19	9	4½	1	10	4	9	0	1	0	1½	38	532	0	0	26	12	0	6	13	0

Note—1½*d.* per lb.

£14 5s. per ton, 14s. 3d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£14 5s. per ton.			14s. 3d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 3s. 6¾d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	14	1½	2	18	9	5	1	9	4	8½	2	28	10	0	1	8	6	0	7	1½
3	26	14	0	2	17	9	3½	1	8	4	7	3	42	15	0	2	2	9	0	10	8¼
3	25	13	10½	2	16	9	2	1	7	4	5½	4	57	0	0	2	17	0	0	14	3
3	24	13	9	2	15	9	0½	1	6	4	4	5	71	5	0	3	11	3	0	17	9¾
3	23	13	7½	2	14	8	11	1	5	4	2½	6	85	10	0	4	5	6	1	1	4½
3	22	13	6	2	13	8	9½	1	4	4	1	7	99	15	0	4	19	9	1	4	11¼
3	21	13	4½	2	12	8	8	1	3	3	11½	8	114	0	0	5	14	0	1	8	6
3	20	13	3	2	11	8	6½	1	2	3	10	9	128	5	0	6	8	3	1	12	0¾
3	19	13	1½	2	10	8	5	1	1	3	8½	10	142	10	0	7	2	6	1	15	7½
3	18	13	0	2	9	8	3½	1	0	3	6¾	11	156	15	0	7	16	9	1	19	2¼
3	17	12	10½	2	8	8	2	0	27	3	5	12	171	0	0	8	11	0	2	2	9
3	16	12	8¾	2	7	8	0½	0	26	3	3½	13	185	5	0	9	5	3	2	6	3¾
3	15	12	7¼	2	6	7	11	0	25	3	2	14	199	10	0	9	19	6	2	9	10½
3	14	12	5¾	2	5	7	9½	0	24	3	0½	15	213	15	0	10	13	9	2	13	5¼
3	13	12	4	2	4	7	8	0	23	2	11	16	228	0	0	11	8	0	2	17	0
3	12	12	2½	2	3	7	6½	0	22	2	9½	17	242	5	0	12	2	3	3	0	6¾
3	11	12	1	2	2	7	5	0	21	2	8	18	256	10	0	12	16	6	3	4	1½
3	10	11	11½	2	1	7	3½	0	20	2	6½	19	270	15	0	13	10	9	3	7	8¼
3	9	11	10	2	0	7	1½	0	19	2	5	20	285	0	0	14	5	0	3	11	3
3	8	11	8½	1	27	7	0	0	18	2	3½	21	299	5	0	14	19	3	3	14	9¾
3	7	11	7	1	26	6	10½	0	17	2	2	22	313	10	0	15	13	6	3	18	4½
3	6	11	5½	1	25	6	9	0	16	2	0½	23	327	15	0	16	7	9	4	1	11¼
3	5	11	4	1	24	6	7½	0	15	1	11	24	342	0	0	17	2	0	4	5	6
3	4	11	2½	1	23	6	6	0	14	1	9½	25	356	5	0	17	16	3	4	9	0¾
3	3	11	1	1	22	6	4½	0	13	1	7¾	26	370	10	0	18	10	6	4	12	7½
3	2	10	11½	1	21	6	3	0	12	1	6	27	384	15	0	19	4	9	4	16	2¼
3	1	10	10	1	20	6	1½	0	11	1	4½	28	399	0	0	19	19	0	4	19	9
3	0	10	8½	1	19	6	0	0	10	1	3	29	413	5	0	20	13	3	5	3	3¾
2	27	10	6½	1	18	5	10½	0	9	1	1½	30	427	10	0	21	7	6	5	6	10½
2	26	10	5	1	17	5	8½	0	8	1	0	31	441	15	0	22	1	9	5	10	5¼
2	25	10	3½	1	16	5	7	0	7	0	10½	32	456	0	0	22	16	0	5	14	0
2	24	10	2	1	15	5	5½	0	6	0	9	33	470	5	0	23	10	3	5	17	6¾
2	23	10	0½	1	14	5	4	0	5	0	7½	34	484	10	0	24	4	6	6	1	1½
2	22	9	11	1	13	5	2½	0	4	0	6	35	498	15	0	24	18	9	6	4	8¼
2	21	9	9½	1	12	5	1	0	3	0	4½	36	513	0	0	25	13	0	6	8	3
2	20	9	8	1	11	4	11½	0	2	0	3	37	527	5	0	26	7	3	6	11	9¾
2	19	9	6½	1	10	4	10	0	1	0	1½	38	541	10	0	27	1	6	6	15	4½

£14 10s. per ton, 14s. 6d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£14 10s. per ton.			14s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 8s. 7½d.		
qr	lb.	s.	d.	qr.	lb.	s.	d	qr.	lb.	s.	d.		£	s,	d.	£	s.	d.	£	s.	d.
3	27	14	4½	2	18	9	7	1	9	4	9½	2	29	0	0	1	9	0	0	7	3
3	26	14	3	2	17	9	5½	1	8	4	8	3	43	10	0	2	3	6	0	10	10½
3	25	14	1½	2	16	9	4	1	7	4	6½	4	58	0	0	2	18	0	0	14	6
3	24	14	0	2	15	9	2½	1	6	4	5	5	72	10	0	3	12	6	0	18	1½
3	23	13	10½	2	14	9	0½	1	5	4	3½	6	87	0	0	4	7	0	1	1	9
3	22	13	8½	2	13	8	11	1	4	4	1½	7	101	10	0	5	1	6	1	5	4½
3	21	13	7	2	12	8	9½	1	3	4	0	8	116	0	0	5	16	0	1	9	0
3	20	13	5½	2	11	8	8	1	2	3	10½	9	130	10	0	6	10	6	1	12	7½
3	19	13	4	2	10	8	6½	1	1	3	9	10	145	0	0	7	5	0	1	16	3
3	18	13	2½	2	9	8	5	1	0	3	7½	11	159	10	0	7	19	6	1	19	10½
3	17	13	1	2	8	8	3½	0	27	3	6	12	174	0	0	8	14	0	2	3	6
3	16	12	11½	2	7	8	2	0	26	3	4½	13	188	10	0	9	8	6	2	7	1½
3	15	12	10	2	6	8	0½	0	25	3	3	14	203	0	0	10	3	0	2	10	9
3	14	12	8½	2	5	7	10½	0	24	3	1½	15	217	10	0	10	17	6	2	14	4½
3	13	12	6½	2	4	7	9	0	23	3	0	16	232	0	0	11	12	0	2	18	0
3	12	12	5	2	3	7	7½	0	22	2	10½	17	246	10	0	12	6	6	3	1	7½
3	11	12	3½	2	2	7	6	0	21	2	9	18	261	0	0	13	1	0	3	5	3
3	10	12	2	2	1	7	4½	0	20	2	7½	19	275	10	0	13	15	6	3	8	10½
3	9	12	0½	2	0	7	3	0	19	2	5½	20	290	0	0	14	10	0	3	12	6
3	8	11	11	1	27	7	1½	0	18	2	4	21	304	10	0	15	4	6	3	16	1½
3	7	11	9½	1	26	7	0	0	17	2	2½	22	319	0	0	15	19	0	3	19	9
3	6	11	7½	1	25	6	10½	0	16	2	1	23	333	10	0	16	13	6	4	3	4½
3	5	11	6	1	24	6	9	0	15	1	11½	24	348	0	0	17	8	0	4	7	0
3	4	11	4½	1	23	6	7½	0	14	1	9½	25	362	10	0	18	2	6	4	10	7½
3	3	11	3	1	22	6	5½	0	13	1	8	26	377	0	0	18	17	0	4	14	3
3	2	11	1½	1	21	6	4	0	12	1	6½	27	391	10	0	19	11	6	4	17	10½
3	1	11	0	1	20	6	2½	0	11	1	5	28	406	0	0	20	6	0	5	1	6
3	0	10	10½	1	19	6	1	0	10	1	3½	29	420	10	0	21	0	6	5	5	1½
2	27	10	9	1	18	5	11½	0	9	1	2	30	435	0	0	21	15	0	5	8	9
2	26	10	7½	1	17	5	10	0	8	1	0½	31	449	10	0	22	9	6	5	12	4½
2	25	10	6	1	16	5	8½	0	7	0	11	32	464	0	0	23	4	0	5	16	0
2	24	10	4½	1	15	5	7	0	6	0	9½	33	478	10	0	23	18	6	5	19	7½
2	23	10	2½	1	14	5	5½	0	5	0	7½	34	493	0	0	24	13	0	6	3	3
2	22	10	1	1	13	5	3½	0	4	0	6	35	507	10	0	25	7	6	6	6	10½
2	21	9	11½	1	12	5	2	0	3	0	4½	36	522	0	0	26	2	0	6	10	6
2	20	9	10	1	11	5	0½	0	2	0	3	37	536	10	0	26	16	6	6	14	1½
2	19	9	8½	1	10	4	11	0	1	0	1½	38	551	0	0	27	11	0	6	17	9

£14 15s. per ton, 14s. 9d. per cwt. Rate per qr. cwt., stone, & lb.									No.	£14 15s. per ton.			14s. 9d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 3s. 8½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	14	7½	2	18	9	9	1	9	4	11	2	29	10	0	1	9	6	0	7	4½
3	26	14	6	2	17	9	7½	1	8	4	9½	3	44	5	0	2	4	3	0	11	0½
3	25	14	4½	2	16	9	5½	1	7	4	8	4	59	0	0	2	19	0	0	14	9
3	24	14	3	2	15	9	4	1	6	4	6½	5	73	15	0	3	13	9	0	18	5½
3	23	14	1½	2	14	9	2½	1	5	4	4½	6	88	10	0	4	8	6	1	2	1½
3	22	14	0	2	13	9	1	1	4	4	3	7	103	5	0	5	3	3	1	5	9½
3	21	13	10½	2	12	8	11½	1	3	4	1½	8	118	0	0	5	18	0	1	9	6
3	20	13	8½	2	11	8	10	1	2	3	11½	9	132	15	0	6	12	9	1	13	2½
3	19	13	7	2	10	8	8½	1	1	3	9½	10	147	10	0	7	7	6	1	16	10½
3	18	13	5½	2	9	8	6½	1	0	3	8½	11	162	5	0	8	2	3	2	0	6½
3	17	13	3½	2	8	8	5	0	27	3	6½	12	177	0	0	8	17	0	2	4	3
3	16	13	2	2	7	8	3½	0	26	3	5	13	191	15	0	9	11	9	2	7	11½
3	15	13	0½	2	6	8	1½	0	25	3	3½	14	206	10	0	10	6	6	2	11	7½
3	14	12	11	2	5	8	0½	0	24	3	1½	15	221	5	0	11	1	3	2	15	3½
3	13	12	9½	2	4	7	10½	0	23	3	0	16	236	0	0	11	16	0	2	19	0
3	12	12	8	2	3	7	9	0	22	2	10½	17	250	15	0	12	10	9	3	2	8½
3	11	12	6½	2	2	7	7½	0	21	2	9	18	265	10	0	13	5	6	3	6	4½
3	10	12	4½	2	1	7	6	0	20	2	7½	19	280	5	0	14	0	3	3	10	0½
3	9	12	3	2	0	7	4½	0	19	2	5½	20	295	0	0	14	15	0	3	13	9
3	8	12	1½	1	27	7	3	0	18	2	4	21	309	15	0	15	9	9	3	17	5½
3	7	12	0	1	26	7	1½	0	17	2	2½	22	324	10	0	16	4	6	4	1	1½
3	6	11	10½	1	25	7	0	0	16	2	1	23	339	5	0	16	19	3	4	4	9½
3	5	11	9	1	24	6	10½	0	15	1	11½	24	354	0	0	17	14	0	4	8	6
3	4	11	7½	1	23	6	9	0	14	1	10	25	368	15	0	18	8	9	4	12	2½
3	3	11	5½	1	22	6	7½	0	13	1	8½	26	383	10	0	19	3	6	4	15	10½
3	2	11	4	1	21	6	5½	0	12	1	7	27	398	5	0	19	18	3	4	19	6½
3	1	11	2½	1	20	6	4	0	11	1	5½	28	413	0	0	20	13	0	5	3	3
3	0	11	0½	1	19	6	2½	0	10	1	4	29	427	15	0	21	7	9	5	6	11½
2	27	10	11	1	18	6	1	0	9	1	2½	30	442	10	0	22	2	6	5	10	7½
2	26	10	9½	1	17	5	11½	0	8	1	0½	31	457	5	0	22	17	3	5	14	3½
2	25	10	8	1	16	5	9½	0	7	0	11	32	472	0	0	23	12	0	5	18	0
2	24	10	6½	1	15	5	8	0	6	0	9½	33	486	15	0	24	6	9	6	1	8½
2	23	10	5	1	14	5	6½	0	5	0	7½	34	501	10	0	25	1	6	6	5	4½
2	22	10	3½	1	13	5	5	0	4	0	6	35	516	5	0	25	16	3	6	9	0½
2	21	10	1½	1	12	5	3½	0	3	0	4½	36	531	0	0	26	11	0	6	12	9
2	20	10	0	1	11	5	2	0	2	0	3	37	545	15	0	27	5	9	6	16	5½
2	19	9	10½	1	10	5	0½	0	1	0	1½	38	560	10	0	28	0	6	7	0	1½

£15 per ton, 15s. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£15 per ton.			15s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., aver. 3s. 9d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	14	10½	2	18	9	11	1	9	4	11½	2	30	0	0	1	10	0	0	7	6
3	26	14	9	2	17	9	9½	1	8	4	10	3	45	0	0	2	5	0	0	11	3
3	25	14	7½	2	16	9	7½	1	7	4	8½	4	60	0	0	3	0	0	0	15	0
3	24	14	5½	2	15	9	6	1	6	4	6½	5	75	0	0	3	15	0	0	18	9
3	23	14	4	2	14	9	4½	1	5	4	5	6	90	0	0	4	10	0	1	2	6
3	22	14	2½	2	13	9	3	1	4	4	3½	7	105	0	0	5	5	0	1	6	3
3	21	14	1	2	12	9	1½	1	3	4	2	8	120	0	0	6	0	0	1	10	0
3	20	13	11½	2	11	9	0	1	2	4	0½	9	135	0	0	6	15	0	1	13	9
3	19	13	9¾	2	10	8	10½	1	1	3	10½	10	150	0	0	7	10	0	1	17	6
3	18	13	8	2	9	8	8½	1	0	3	9	11	165	0	0	8	5	0	2	1	3
3	17	13	6¼	2	8	8	7	0	27	3	7½	12	180	0	0	9	0	0	2	5	0
3	16	13	4½	2	7	8	5½	0	26	3	6	13	195	0	0	9	15	0	2	8	9
3	15	13	3	2	6	8	3½	0	25	3	4½	14	210	0	0	10	10	0	2	12	6
3	14	13	1½	2	5	8	1½	0	24	3	2¾	15	225	0	0	11	5	0	2	16	3
3	13	13	0	2	4	8	0	0	23	3	1	16	240	0	0	12	0	0	3	0	0
3	12	12	10½	2	3	7	10½	0	22	2	11½	17	255	0	0	12	15	0	3	3	9
3	11	12	9	2	2	7	9	0	21	2	9¾	18	270	0	0	13	10	0	3	7	6
3	10	12	7½	2	1	7	7½	0	20	2	8	19	285	0	0	14	5	0	3	11	3
3	9	12	5½	2	0	7	6	0	19	2	6½	20	300	0	0	15	0	0	3	15	0
3	8	12	4	1	27	7	4½	0	18	2	5	21	315	0	0	15	15	0	3	18	9
3	7	12	2½	1	26	7	3	0	17	2	3½	22	330	0	0	16	10	0	4	2	6
3	6	12	1	1	25	7	1½	0	16	2	1¾	23	345	0	0	17	5	0	4	6	3
3	5	11	11½	1	24	7	0	0	15	2	0	24	360	0	0	18	0	0	4	10	0
3	4	11	9½	1	23	6	10½	0	14	1	10½	25	375	0	0	18	15	0	4	13	9
3	3	11	8	1	22	6	8½	0	13	1	9	26	390	0	0	19	10	0	4	17	6
3	2	11	6½	1	21	6	7	0	12	1	7½	27	405	0	0	20	5	0	5	1	3
2	1	11	4¾	1	20	6	5½	0	11	1	6	28	420	0	0	21	0	0	5	5	0
2	0	11	3	1	19	6	3½	0	10	1	4½	29	435	0	0	21	15	0	5	8	9
2	27	11	1½	1	18	6	2	0	9	1	2¾	30	450	0	0	22	10	0	5	12	6
2	26	11	0	1	17	6	0½	0	8	1	1	31	465	0	0	23	5	0	5	16	3
2	25	10	10½	1	16	5	11	0	7	0	11½	32	480	0	0	24	0	0	6	0	0
2	24	10	8¾	1	15	5	9½	0	6	0	9¾	33	495	0	0	24	15	0	6	3	9
2	23	10	7	1	14	5	7½	0	5	0	8	34	510	0	0	25	10	0	6	7	6
2	22	10	5½	1	13	5	6	0	4	0	6¼	35	525	0	0	26	5	0	6	11	3
2	21	10	3½	1	12	5	4½	0	3	0	4½	36	540	0	0	27	0	0	6	15	0
2	20	10	2	1	11	5	2¾	0	2	0	3	37	555	0	0	27	15	0	6	18	9
2	19	10	0½	1	10	5	1	0	1	0	1½	38	570	0	0	28	10	0	7	2	6

£15 5s. per ton, 15s. 3d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£15 5s. per ton.			15s. 3d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 2s. 9¾d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	15	1⅛	2	18	10	1⅛	1	9	5	0¼	2	30	10	0	1	10	6	0	7	7¼
3	26	15	0	2	17	10	0	1	8	4	10½	3	45	15	0	2	5	9	0	11	5½
3	25	14	10½	2	16	9	10½	1	7	4	9	4	61	0	0	3	1	0	0	15	3
3	24	14	8¼	2	15	9	8¼	1	6	4	7¼	5	76	5	0	3	16	3	0	19	0¾
3	23	14	7	2	14	9	6¾	1	5	4	5¼	6	91	10	0	4	11	6	1	2	10½
3	22	14	5½	2	13	9	5	1	4	4	4	7	106	15	0	5	6	9	1	6	8¼
3	21	14	3¼	2	12	9	3¼	1	3	4	2¼	8	122	0	0	6	2	0	1	10	6
3	20	14	2	2	11	9	1¾	1	2	4	1	9	137	5	0	6	17	3	1	14	3¾
3	19	14	0¼	2	10	9	0	1	1	3	11¼	10	152	10	0	7	12	6	1	18	1¼
3	18	13	10¼	2	9	8	10¼	1	0	3	9¾	11	167	15	0	8	7	9	2	1	11¼
3	17	13	9	2	8	8	9	0	27	3	8	12	183	0	0	9	3	0	2	5	9
3	16	13	7¼	2	7	8	7¼	0	26	3	6¼	13	198	5	0	9	18	3	2	9	6¾
3	15	13	5¾	2	6	8	5¼	0	25	3	4¼	14	213	10	0	10	13	6	2	13	4½
3	14	13	4¼	2	5	8	4	0	24	3	3	15	228	15	0	11	8	9	2	17	2¼
3	13	13	2¾	2	4	8	2¼	0	23	3	1¼	16	244	0	0	12	4	0	3	1	0
3	12	13	1	2	3	8	0¾	0	22	3	11¾	17	259	5	0	12	19	3	3	4	9¾
3	11	12	11¾	2	2	7	11	0	21	2	10	18	274	10	0	13	14	6	3	8	7½
3	10	12	10	2	1	7	9¼	0	20	2	8¼	19	289	15	0	14	9	9	3	12	5¼
3	9	12	8¼	2	0	7	7½	0	19	2	6½	20	305	0	0	15	5	0	3	16	3
3	8	12	6½	1	27	7	6	0	18	2	5	21	320	5	0	16	0	3	4	0	0¾
3	7	12	5	1	26	7	4¼	0	17	2	3½	22	335	10	0	16	15	6	4	3	10½
3	6	12	3¼	1	25	7	3	0	16	2	2	23	350	15	0	17	10	9	4	7	8¼
3	5	12	1¾	1	24	7	1¼	0	15	2	0¼	24	366	0	0	18	6	0	4	11	6
3	4	12	0	1	23	6	11¼	0	14	1	11	25	381	5	0	19	1	3	4	15	3¾
3	3	11	10¼	1	22	6	9¾	0	13	1	9¼	26	396	10	0	19	16	6	4	19	1¾
3	2	11	8¼	1	21	6	8	0	12	1	7¾	27	411	15	0	20	11	9	5	2	11¼
3	1	11	7	1	20	6	6¼	0	11	1	6	28	427	0	0	21	7	0	5	6	9
3	0	11	5¼	1	19	6	4¾	0	10	1	4½	29	442	5	0	22	2	3	5	10	6¾
2	27	11	3¾	1	18	6	3	0	9	1	3	30	457	10	0	22	17	6	5	14	4¼
2	26	11	2¼	1	17	6	1⅛	0	8	1	1¼	31	472	15	0	23	12	9	5	18	2¾
2	25	11	0¾	1	16	6	0	0	7	0	11⅛	32	488	0	0	24	8	0	6	2	0
2	24	10	11¼	1	15	5	10½	0	6	0	10	33	503	5	0	25	3	3	6	5	9¾
2	23	10	9¾	1	14	5	8¾	0	5	0	8¼	34	518	10	0	25	18	6	6	9	7½
2	22	10	8¼	1	13	5	7	0	4	0	6¼	35	533	15	0	26	13	9	6	13	5¼
2	21	10	6¾	1	12	5	5¼	0	3	0	5	36	549	0	0	27	9	0	6	17	3
2	20	10	5	1	11	5	3⅛	0	2	0	3¼	37	564	5	0	28	4	3	7	1	0¾
2	19	10	3¼	1	10	5	2	0	1	0	1¼	38	579	10	0	28	19	6	7	4	10¼

£15 10s. per ton, 15s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£15 10s. per ton.			15s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., aver. 3s. 10½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	15	4½	2	18	10	2½	1	9	5	1½	2	31	0	0	1	11	0	0	7	9
3	26	15	3	2	17	10	1	1	8	5	0	3	46	10	0	2	6	6	0	11	7½
3	25	15	1½	2	16	9	11½	1	7	4	10½	4	62	0	0	3	2	0	0	15	6
3	24	14	11½	2	15	9	9½	1	6	4	8½	5	77	10	0	3	17	6	0	19	4½
3	23	14	10	2	14	9	8½	1	5	4	7	6	93	0	0	4	13	0	1	3	3
3	22	14	8½	2	13	9	6½	1	4	4	5½	7	108	10	0	5	8	6	1	7	1½
3	21	14	6½	2	12	9	4	1	3	4	3½	8	124	0	0	6	4	0	1	11	0
3	20	14	5	2	11	9	2½	1	2	4	2	9	139	10	0	6	19	6	1	14	10½
3	19	14	3½	2	10	9	0½	1	1	4	0½	10	155	0	0	7	15	0	1	18	9
3	18	14	1½	2	9	8	11	1	0	3	10½	11	170	10	0	8	10	6	2	2	7½
3	17	14	0	2	8	8	9½	0	27	3	9	12	186	0	0	9	6	0	2	6	6
3	16	13	10½	2	7	8	7½	0	26	3	7½	13	201	10	0	10	1	6	2	10	4½
3	15	13	8½	2	6	8	6	0	25	3	5½	14	217	0	0	10	17	0	2	14	3
3	14	13	6½	2	5	8	4½	0	24	3	4	15	232	10	0	11	12	6	2	18	1½
3	13	13	5	2	4	8	3	0	23	3	2½	16	248	0	0	12	8	0	3	2	0
3	12	13	3½	2	3	8	1½	0	22	3	0½	17	263	10	0	13	3	6	3	5	10½
3	11	13	1½	2	2	8	0	0	21	2	11	18	279	0	0	13	19	0	3	9	9
3	10	13	0	2	1	7	10½	0	20	2	9½	19	294	10	0	14	14	6	3	13	7½
3	9	12	10½	2	0	7	9	0	19	2	7½	20	310	0	0	15	10	0	3	17	6
3	8	12	8½	1	27	7	7½	0	18	2	5½	21	325	10	0	16	5	6	4	1	4½
3	7	12	6½	1	26	7	5½	0	17	2	4	22	341	0	0	17	1	0	4	5	3
3	6	12	5	1	25	7	4	0	16	2	2½	23	356	10	0	17	16	6	4	9	1½
3	5	12	3½	1	24	7	2½	0	15	2	0½	24	372	0	0	18	12	0	4	13	0
3	4	12	1½	1	23	7	0½	0	14	1	11½	25	387	10	0	19	7	6	4	16	10½
3	3	12	0	1	22	6	11	0	13	1	9½	26	403	0	0	20	3	0	5	0	9
3	2	11	10½	1	21	6	9½	0	12	1	8	27	418	10	0	20	18	6	5	4	7½
3	1	11	9	1	20	6	8	0	11	1	6½	28	434	0	0	21	14	0	5	8	6
3	0	11	7½	1	19	6	6½	0	10	1	4½	29	449	10	0	22	9	6	5	12	4½
2	27	11	5½	1	18	6	4½	0	9	1	3	30	465	0	0	23	5	0	5	16	3
2	26	11	4	1	17	6	2½	0	8	1	1½	31	480	10	0	24	0	6	6	0	1½
2	25	11	2½	1	16	6	1	0	7	0	11½	32	496	0	0	24	16	0	6	4	0
2	24	11	0½	1	15	5	11½	0	6	0	10	33	511	10	0	25	11	6	6	7	10½
2	23	10	11	1	14	5	9½	0	5	0	8½	34	527	0	0	26	7	0	6	11	9
2	22	10	9½	1	13	5	8	0	4	0	6½	35	542	10	0	27	2	6	6	15	7½
2	21	10	7½	1	12	5	6½	0	3	0	4½	36	558	0	0	27	18	0	6	19	6
2	20	10	6	1	11	5	4½	0	2	0	3	37	573	10	0	28	13	6	7	3	4½
2	19	10	4½	1	10	5	3	0	1	0	1½	38	589	0	0	29	9	0	7	7	3

£15 15s. per ton, 15s. 9d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£15 15s. per ton.			15s. 9d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 8s. 11¼d.		
qr.	lb	s	d.	qr.	lb.	s.	d.	qr. lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	15	7¼	2	18	10	5¾	1	9	5	2¾	2	31	10	0	1	11	6	0	7	10¼
3	26	15	5¾	2	17	10	3¾	1	8	5	1	3	47	5	0	2	7	3	0	11	9¾
3	25	15	4	2	16	10	1¾	1	7	4	11¼	4	63	0	0	3	3	0	0	15	9
3	24	15	2¼	2	15	10	0	1	6	4	9¼	5	78	15	0	3	18	9	0	19	8¼
3	23	15	0¾	2	14	9	10¼	1	5	4	7¾	6	94	10	0	4	14	6	1	3	7¼
3	22	14	11	2	13	9	9	1	4	4	6	7	110	5	0	5	10	3	1	7	6¾
3	21	14	9¼	2	12	9	7¼	1	3	4	4¼	8	126	0	0	6	6	0	1	11	6
3	20	14	7¾	2	11	9	5¼	1	2	4	2¼	9	141	15	0	7	1	9	1	15	5¼
3	19	14	6	2	10	9	3¾	1	1	4	0¾	10	157	10	0	7	17	6	1	19	4¼
3	18	14	4¼	2	9	9	2	1	0	3	11¼	11	173	5	0	8	13	3	2	3	3¾
3	17	14	2¾	2	8	9	0¼	0	27	3	9¼	12	189	0	0	9	9	0	2	7	3
3	16	14	1	2	7	8	10¼	0	26	3	8	13	204	15	0	10	4	9	2	11	2¼
3	15	13	11¼	2	6	8	8¾	0	25	3	6¼	14	220	10	0	11	0	6	2	15	1¼
3	14	13	9¼	2	5	8	7	0	24	3	4¼	15	236	5	0	11	16	3	2	19	0¾
3	13	13	8	2	4	8	5¼	0	23	3	2¼	16	252	0	0	12	12	0	3	3	0
3	12	13	6¼	2	3	8	3¾	0	22	3	1	17	267	15	0	13	7	9	3	6	11¼
3	11	13	4¾	2	2	8	2	0	21	2	11¼	18	283	10	0	14	3	6	3	10	10¼
3	10	13	3	2	1	8	0¼	0	20	2	9¼	19	299	5	0	14	19	3	3	14	9¾
3	9	13	1¼	2	0	7	10¼	0	19	2	7¼	20	315	0	0	15	15	0	3	18	9
3	8	12	11¼	1	27	7	9	0	18	2	6	21	330	15	0	16	10	9	4	2	8¼
3	7	12	9¾	1	26	7	7¼	0	17	2	4¼	22	346	10	0	17	6	6	4	6	7¼
3	6	12	8	1	25	7	5¼	0	16	2	2¼	23	362	5	0	18	2	3	4	10	6¾
3	5	12	6¼	1	24	7	3¾	0	15	2	1	24	378	0	0	18	18	0	4	14	6
3	4	12	4¼	1	23	7	2	0	14	1	11¼	25	393	15	0	19	13	9	4	18	5¼
3	3	12	3	1	22	7	0¼	0	13	1	9¾	26	409	10	0	20	9	6	5	2	4¼
3	2	12	1¼	1	21	6	10¼	0	12	1	8¼	27	425	5	0	21	5	3	5	6	3¾
3	1	11	11¼	1	20	6	9	0	11	1	6¾	28	441	0	0	22	1	0	5	10	3
3	0	11	9¾	1	19	6	7¼	0	10	1	5	29	456	15	0	22	16	9	5	14	2¼
2	27	11	8¼	1	18	6	5¼	0	9	1	3¼	30	472	10	0	23	12	6	5	18	1¾
2	26	11	6¾	1	17	6	4	0	8	1	1¾	31	488	5	0	24	8	3	6	2	0¾
2	25	11	5	1	16	6	2¼	0	7	0	11¾	32	504	0	0	25	4	0	6	6	0
2	24	11	3¼	1	15	6	0¾	0	6	0	10	33	519	15	0	25	19	9	6	9	11¼
2	23	11	1¾	1	14	5	11	0	5	0	8¼	34	535	10	0	26	15	6	6	13	10¼
2	22	11	0	1	13	5	9¼	0	4	0	6¼	35	551	5	0	27	11	3	6	17	9¾
2	21	10	10¼	1	12	5	7¼	0	3	0	4¾	36	567	0	0	28	7	0	7	1	9
2	20	10	8¾	1	11	5	6	0	2	0	3	37	582	15	0	29	2	9	7	5	8¼
2	19	10	7	1	10	5	4¼	0	1	0	1¼	38	598	10	0	29	18	6	7	9	7¼

£16 per ton, 16s. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£16 per ton.			16s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day. ½ yd, average 4s.		
qr.	lb.	s.	d.	qr	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	15	10½	2	18	10	6¾	1	9	5	3½	2	32	0	0	1	12	0	0	8	0
3	26	15	8½	2	17	10	5	1	8	5	1⅝	3	48	0	0	2	8	0	0	12	0
3	25	15	6¾	2	16	10	3¼	1	7	5	0	4	64	0	0	3	4	0	0	16	0
3	24	15	5	2	15	10	1⅛	1	6	4	10½	5	80	0	0	4	0	0	1	0	0
3	23	15	3½	2	14	10	0	1	5	4	8½	6	96	0	0	4	16	0	1	4	0
3	22	15	1¼	2	13	9	10½	1	4	4	6¾	7	112	0	0	5	12	0	1	8	0
3	21	15	0	2	12	9	8¾	1	3	4	5	8	128	0	0	6	8	0	1	12	0
3	20	14	10½	2	11	9	7	1	2	4	3¼	9	144	0	0	7	4	0	1	16	0
3	19	14	8½	2	10	9	5½	1	1	4	1⅝	10	160	0	0	8	0	0	2	0	0
3	18	14	7½	2	9	9	3⅝	1	0	4	0	11	176	0	0	8	16	0	2	4	0
3	17	14	5½	2	8	9	1⅝	0	27	3	10½	12	192	0	0	9	12	0	2	8	0
3	16	14	3½	2	7	9	0	0	26	3	8½	13	208	0	0	10	8	0	2	12	0
3	15	14	1½	2	6	8	10½	0	25	3	6¾	14	224	0	0	11	4	0	2	16	0
3	14	14	0	2	5	8	8¾	0	24	3	5	15	240	0	0	12	0	0	3	0	0
3	13	13	10½	2	4	8	7	0	23	3	3½	16	256	0	0	12	16	0	3	4	0
3	12	13	8½	2	3	8	5¼	0	22	3	1⅝	17	272	0	0	13	12	0	3	8	0
3	11	13	6¾	2	2	8	3¼	0	21	3	0	18	288	0	0	14	8	0	3	12	0
3	10	13	5	2	1	8	1⅛	0	20	2	10½	19	304	0	0	15	4	0	3	16	0
3	9	13	3½	2	0	8	0	0	19	2	8½	20	320	0	0	16	0	0	4	0	0
3	8	13	1½	1	27	7	10¾	0	18	2	6¾	21	336	0	0	16	16	0	4	4	0
3	7	13	0	1	26	7	8½	0	17	2	5	22	352	0	0	17	12	0	4	8	0
3	6	12	10½	1	25	7	6¾	0	16	2	3½	23	368	0	0	18	8	0	4	12	0
3	5	12	8¾	1	24	7	5	0	15	2	1⅝	24	384	0	0	19	4	0	4	16	0
3	4	12	7	1	23	7	3¼	0	14	2	0	25	400	0	0	20	0	0	5	0	
3	3	12	5½	1	22	7	1⅛	0	13	1	10½	26	416	0	0	20	16	0	5	4	0
3	2	12	3½	1	21	7	0	0	12	1	8⅛	27	432	0	0	21	12	0	5	8	0
3	1	12	1⅝	1	20	6	10½	0	11	1	6¾	28	448	0	0	22	8	0	5	12	0
3	0	12	0	1	19	6	8½	0	10	1	5	29	464	0	0	23	4	0	5	16	0
2	27	11	10½	1	18	6	6¾	0	9	1	3½	30	480	0	0	24	0	0	6	0	9
2	26	11	8¾	1	17	6	5	0	8	1	1⅝	31	496	0	0	24	16	0	6	4	0
2	25	11	7	1	16	6	3¼	0	7	0	11⅞	32	512	0	0	25	12	0	6	8	0
2	24	11	5½	1	15	6	1⅛	0	6	0	10	33	528	0	0	26	8	0	6	12	0
2	23	11	3½	1	14	6	0	0	5	0	8½	34	544	0	0	27	4	0	6	16	0
2	22	11	1⅝	1	13	5	10½	0	4	0	6¾	35	560	0	0	28	0	0	7	0	0
2	21	11	0	1	12	5	8½	0	3	0	4⅝	36	576	0	0	28	16	0	7	4	0
2	20	10	10½	1	11	5	6¾	0	2	0	3	37	592	0	0	29	12	0	7	8	0
2	19	10	8½	1	10	5	5	0	1	0	1⅛	38	608	0	0	30	8	0	7	12	0

£16 5s. per ton, 16s. 3d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£16 5s. per ton.			16s. 3d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 4s. 0¼d.		
qr	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	16	1½	2	18	10	9	1	9	5	4½	2	32	10	0	1	12	6	0	8	1½
3	26	15	11½	2	17	10	7½	1	8	5	2¾	3	48	15	0	2	8	9	0	12	2¼
3	25	15	10	2	16	10	5½	1	7	5	1	4	65	0	0	3	5	0	0	16	3
3	24	15	8½	2	15	10	3¾	1	6	4	11¼	5	81	5	0	4	1	3	1	0	3¾
3	23	15	6½	2	14	10	2¼	1	5	4	9½	6	97	10	0	4	17	6	1	4	4½
3	22	15	4¾	2	13	10	0½	1	4	4	7¾	7	113	15	0	5	13	9	1	8	5¼
3	21	15	3	2	12	9	10¾	1	3	4	6	8	130	0	0	6	10	0	1	12	6
3	20	15	1¼	2	11	9	9	1	2	4	4¼	9	146	5	0	7	6	3	1	16	6¾
3	19	14	11½	2	10	9	7½	1	1	4	2¾	10	162	10	0	8	2	6	2	0	7½
3	18	14	9¾	2	9	9	5½	1	0	4	0¾	11	178	15	0	8	18	9	2	4	8¼
3	17	14	8	2	8	9	3¾	0	27	3	11	12	195	0	0	9	15	0	2	8	9
3	16	14	6¼	2	7	9	2	0	26	3	9¼	13	211	5	0	10	11	3	2	12	9¾
3	15	14	4½	2	6	9	0½	0	25	3	7¼	14	227	10	0	11	7	6	2	16	10½
3	14	14	2¾	2	5	8	10½	0	24	3	5¾	15	243	15	0	12	3	9	3	0	11¼
3	13	14	1	2	4	8	8¾	0	23	3	4	16	260	0	0	13	0	0	3	5	0
3	12	13	11¼	2	3	8	7	0	22	3	2¼	17	276	5	0	13	16	3	3	9	0¾
3	11	13	9½	2	2	8	5½	0	21	3	0¾	18	292	10	0	14	12	6	3	13	1½
3	10	13	7¾	2	1	8	3½	0	20	2	11	19	303	15	0	15	8	9	3	17	2¼
3	9	13	6	2	0	8	1½	0	19	2	9¼	20	325	0	0	16	5	0	4	1	3
3	8	13	4¼	1	27	7	11¾	0	18	2	7¼	21	341	5	0	17	1	3	4	5	3¾
3	7	13	2½	1	26	7	10	0	17	2	5¾	22	357	10	0	17	17	6	4	9	4½
3	6	13	0¾	1	25	7	8½	0	16	2	4	23	373	15	0	18	13	9	4	13	5¼
3	5	12	11	1	24	7	6½	0	15	2	2¼	24	390	0	0	19	10	0	4	17	6
3	4	12	9¼	1	23	7	4¾	0	14	2	0¼	25	406	5	0	20	6	3	5	1	6¾
3	3	12	7½	1	22	7	3	0	13	1	10½	26	422	10	0	21	2	6	5	5	7½
3	2	12	5¾	1	21	7	1½	0	12	1	8¾	27	438	15	0	21	18	9	5	9	8¼
3	1	12	4	1	20	6	11½	0	11	1	7	28	455	0	0	22	15	0	5	13	9
3	0	12	2¼	1	19	6	9¾	0	10	1	5¼	29	471	5	0	23	11	3	5	17	9¾
2	27	12	0¾	1	18	6	8	0	9	1	3¼	30	487	10	0	24	7	6	6	1	10½
2	26	11	11	1	17	6	6¼	0	8	1	1¾	31	503	15	0	25	3	9	6	5	11¼
2	25	11	9¼	1	16	6	4½	0	7	1	0	32	520	0	0	26	0	0	6	10	0
2	24	11	7½	1	15	6	2¾	0	6	0	10	33	536	5	0	26	16	3	6	14	0¾
2	23	11	5¾	1	14	6	1½	0	5	0	8¼	34	552	10	0	27	12	6	6	18	1½
2	22	11	4	1	13	5	11¼	0	4	0	6¼	35	568	15	0	28	8	9	7	2	2¼
2	21	11	2¼	1	12	5	9¾	0	3	0	4¾	36	585	0	0	29	5	0	7	6	3
2	20	11	0¾	1	11	5	8	0	2	0	3	37	601	5	0	30	1	3	7	10	3¾
2	19	10	10¾	1	10	5	6¼	0	1	0	1¼	38	617	10	0	30	17	6	7	14	4½

£16 6s. 8d. per ton, 16s. 4d. per cwt. — Rate per qr. cwt., stone, & lb.									No.	£16 6s. 8d. per ton.			16s. 4d. per cwt. bush, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 4s. 1d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	16	2½	2	18	10	9½	1	9 5 4½	2	32	13	4	1	12	8	0	8	2
3	26	16	0½	2	17	10	7½	1	8 5 3	3	49	0	0	2	9	0	0	12	3
3	25	15	10½	2	16	10	6	1	7 5 1½	4	65	6	8	3	5	4	0	16	4
3	24	15	9	2	15	10	4½	1	6 4 11½	5	81	13	4	4	1	8	1	0	5
3	23	15	7½	2	14	10	2½	1	5 4 9½	6	98	0	0	4	18	0	1	4	6
3	22	15	5½	2	13	10	0½	1	4 4 8	7	114	6	8	5	14	4	1	8	7
3	21	15	3½	2	12	9	11	1	3 4 6½	8	130	13	4	6	10	8	1	12	8
3	20	15	2	2	11	9	9½	1	2 4 4½	9	147	0	0	7	7	0	1	16	9
3	19	15	0½	2	10	9	7½	1	1 4 2½	10	163	6	8	8	3	4	2	0	10
3	18	14	10½	2	9	9	5½	1	0 4 1	11	179	13	4	8	19	8	2	4	11
3	17	14	8½	2	8	9	4	0	27 3 11½	12	196	0	0	9	16	0	2	9	0
3	16	14	7	2	7	9	2½	0	26 3 9½	13	212	6	8	10	12	4	2	13	1
3	15	14	5½	2	6	9	0½	0	25 3 7½	14	228	13	4	11	8	8	2	17	2
3	14	14	3½	2	5	8	10½	0	24 3 6	15	245	0	0	12	5	0	3	1	3
3	13	14	1½	2	4	8	9	0	23 3 4½	16	261	6	8	13	1	4	3	5	4
3	12	14	0	2	3	8	7½	0	22 3 2½	17	277	13	4	13	17	8	3	9	5
3	11	13	10½	2	2	8	5½	0	21 3 0½	18	294	0	0	14	14	0	3	13	6
3	10	13	8½	2	1	8	3½	0	20 2 11	19	310	6	8	15	10	4	3	17	7
3	9	13	6½	2	0	8	2	0	19 2 9½	20	326	13	4	16	6	8	4	1	8
3	8	13	5	1	27	8	0½	0	18 2 7½	21	343	0	0	17	3	0	4	5	9
3	7	13	3½	1	26	7	10½	0	17 2 5½	22	359	6	8	17	19	4	4	9	10
3	6	13	1½	1	25	7	8½	0	16 2 4	23	375	13	4	18	15	8	4	13	11
3	5	12	11½	1	24	7	7	0	15 2 2½	24	392	0	0	19	12	0	4	18	0
3	4	12	10	1	23	7	5½	0	14 2 0½	25	408	6	8	20	8	4	5	2	1
3	3	12	8½	1	22	7	3½	0	13 1 10½	26	424	13	4	21	4	8	5	6	2
3	2	12	6½	1	21	7	1½	0	12 1 9	27	441	0	0	22	1	0	5	10	3
3	1	12	4½	1	20	7	0	0	11 1 7½	28	457	6	8	22	17	4	5	14	4
3	0	12	3	1	19	6	10½	0	10 1 5½	29	473	13	4	23	13	8	5	18	5
2	27	12	1½	1	18	6	8½	0	9 1 3½	30	490	0	0	24	10	0	6	2	6
2	26	11	11½	1	17	6	6½	0	8 1 2	31	506	6	8	25	6	4	6	6	7
2	25	11	9½	1	16	6	5	0	7 1 0½	32	522	13	4	26	2	8	6	10	8
2	24	11	8	1	15	6	3½	0	6 0 10½	33	539	0	0	26	19	0	6	14	9
2	23	11	6½	1	14	6	1½	0	5 0 8½	34	555	6	8	27	15	4	6	18	10
2	22	11	4½	1	13	5	11½	0	4 0 7	35	571	13	4	28	11	8	7	2	11
2	21	11	2½	1	12	5	10	0	3 0 5½	36	588	0	0	29	8	0	7	7	0
2	20	11	1	1	11	5	8½	0	2 0 3½	37	604	6	8	30	4	4	7	11	1
2	19	10	11½	1	10	5	6½	0	1 0 1½	38	620	13	4	31	0	8	7	15	2

Note—1½*d.* per lb.

£16 10s. per ton, 16s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£16 10s. per ton.			16s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 4s. 1½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	16	4½	2	18	10	11	1	9	5	5½	2	33	0	0	1	13	0	0	8	3
3	26	16	2½	2	17	10	9½	1	8	5	3½	3	49	10	0	2	9	0	0	12	4½
3	25	16	0½	2	16	10	7½	1	7	5	2	4	66	0	0	3	6	0	0	16	6
3	24	15	11	2	15	10	5½	1	6	5	0½	5	82	10	0	4	2	0	1	0	7½
3	23	15	9½	2	14	10	3½	1	5	4	10½	6	99	0	0	4	19	0	1	4	9
3	22	15	7½	2	13	10	2	1	4	4	8½	7	115	10	0	5	15	0	1	8	10½
3	21	15	5½	2	12	10	0½	1	3	4	7	8	132	0	0	6	12	0	1	13	0
3	20	15	4	2	11	9	10½	1	2	4	5½	9	148	10	0	7	8	0	1	17	1½
3	19	15	2½	2	10	9	8½	1	1	4	3½	10	165	0	0	8	5	0	2	1	3
3	18	15	0½	2	9	9	7	1	0	4	1½	11	181	10	0	9	1	0	2	5	4½
3	17	14	10½	2	8	9	5½	0	27	3	11½	12	198	0	0	9	18	0	2	9	6
3	16	14	9	2	7	9	3½	0	26	3	10	13	214	10	0	10	14	0	2	13	7½
3	15	14	7	2	6	9	1½	0	25	3	8½	14	231	0	0	11	11	0	2	17	9
3	14	14	5½	2	5	9	0	0	24	3	6½	15	247	10	0	12	7	0	3	1	10½
3	13	14	3½	2	4	8	10½	0	23	3	4½	16	264	0	0	13	4	0	3	6	0
3	12	14	1½	2	3	8	8½	0	22	3	3	17	280	10	0	14	0	0	3	10	1½
3	11	14	0	2	2	8	6½	0	21	3	1½	18	297	0	0	14	17	0	3	14	3
3	10	13	10½	2	1	8	5	0	20	2	11½	19	313	10	0	15	13	0	3	18	4½
3	9	13	8½	2	0	8	3	0	19	2	9½	20	330	0	0	16	10	0	4	2	6
3	8	13	6½	1	27	8	1½	0	18	2	8	21	346	10	0	17	6	0	4	6	7½
3	7	13	5	1	26	7	11½	0	17	2	6½	22	363	0	0	18	3	0	4	10	9
3	6	13	3½	1	25	7	9½	0	16	2	4½	23	379	10	0	18	19	0	4	14	10½
3	5	13	1½	1	24	7	8	0	15	2	2½	24	396	0	0	19	16	0	4	19	0
3	4	12	11½	1	23	7	6½	0	14	2	0½	25	412	10	0	20	12	0	5	3	1½
3	3	12	10	1	22	7	4½	0	13	1	11	26	429	0	0	21	9	0	5	7	3
3	2	12	8½	1	21	7	2½	0	12	1	9½	27	445	10	0	22	5	0	5	11	4½
3	1	12	6½	1	20	7	1	0	11	1	7½	28	462	0	0	23	2	0	5	15	6
3	0	12	4½	1	19	6	11½	0	10	1	5½	29	478	10	0	23	18	0	5	19	7½
2	27	12	2½	1	18	6	9½	0	9	1	4	30	495	0	0	24	15	0	6	3	9
2	26	12	1	1	17	6	7½	0	8	1	2½	31	511	10	0	25	11	0	6	7	10½
2	25	11	11½	1	16	6	6	0	7	1	0½	32	528	0	0	26	8	0	6	12	0
2	24	11	9½	1	15	6	4½	0	6	0	10½	33	544	10	0	27	4	0	6	16	1½
2	23	11	7½	1	14	6	2½	0	5	0	9	34	561	0	0	28	1	0	7	0	3
2	22	11	6	1	13	6	0½	0	4	0	7	35	577	10	0	28	17	0	7	4	4½
2	21	11	4½	1	12	5	10½	0	3	0	5½	36	594	0	0	29	14	0	7	8	6
2	20	11	2½	1	11	5	9	0	2	0	3½	37	610	10	0	30	10	0	7	12	7½
2	19	11	0½	1	10	5	7½	0	1	0	1½	38	627	0	0	31	7	0	7	16	9

£16 15*s.* per ton, 16*s.* 9*d.* per cwt. — Rate per qr. cwt., stone, and lb.									No.	£16 15*s.* per ton.			16*s.* 9*d.* per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 4*s.* 2¼*d.*		
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	16	7¼	2	18	11	1¼	1	9	5	6¾	2	33	10	0	1	13	6	0	8	4¼
3	26	16	5½	2	17	10	11¼	1	8	5	5	3	50	5	0	2	10	3	0	12	6¾
3	25	16	3¾	2	16	10	9¾	1	7	5	3¼	4	67	0	0	3	7	0	0	16	9
3	24	16	2	2	15	10	8	1	6	5	1½	5	83	15	0	4	3	9	1	0	11¼
3	23	16	0	2	14	10	6¼	1	5	4	11¾	6	100	10	0	5	0	6	1	5	1½
3	22	15	10½	2	13	10	4½	1	4	4	10	7	117	5	0	5	17	3	1	9	3¾
3	21	15	8¾	2	12	10	2¾	1	3	4	8¼	8	134	0	0	6	14	0	1	13	6
3	20	15	6¾	2	11	10	1	1	2	4	6¼	9	150	15	0	7	10	9	1	17	8¼
3	19	15	5	2	10	9	11¼	1	1	4	4¼	10	167	10	0	8	7	6	2	1	10¾
3	18	15	3¼	2	9	9	9¼	1	0	4	2¼	11	184	5	0	9	4	3	2	6	0¾
3	17	15	1½	2	8	9	7¾	0	27	4	0¼	12	201	0	0	10	1	0	2	10	3
3	16	14	11¾	2	7	9	6	0	26	3	10¼	13	217	15	0	10	17	9	2	14	5¼
3	15	14	10	2	6	9	4	0	25	3	8¾	14	234	10	0	11	14	6	2	18	7¼
3	14	14	8	2	5	9	2	0	24	3	7	15	251	5	0	12	11	3	3	2	9¾
3	13	14	6¼	2	4	9	0¼	0	23	3	5¼	16	268	0	0	13	8	0	3	7	0
3	12	14	4¼	2	3	8	10¼	0	22	3	3¼	17	284	15	0	14	4	9	3	11	2¼
3	11	14	2¼	2	2	8	8¼	0	21	3	2¾	18	301	10	0	15	1	6	3	15	4¼
3	10	14	0¾	2	1	8	6¼	0	20	3	1	19	318	5	0	15	18	3	3	19	6¾
3	9	13	11	2	0	8	4¼	0	19	2	11	20	335	0	0	16	15	0	4	3	9
3	8	13	9¼	1	27	8	2¾	0	18	2	9	21	351	15	0	17	11	9	4	7	11¼
3	7	13	7¼	1	26	8	1	0	17	2	7	22	368	10	0	18	8	6	4	12	1¾
3	6	13	5¼	1	25	7	11¼	0	16	2	5	23	385	5	0	19	5	3	4	16	3¾
3	5	13	3¾	1	24	7	9¼	0	15	2	3	24	402	0	0	20	2	0	5	0	6
3	4	13	2	1	23	7	7¼	0	14	2	1	25	418	15	0	20	18	9	5	4	8¼
3	3	13	0	1	22	7	5¾	0	13	1	11¼	26	435	10	0	21	15	6	5	8	10½
3	2	12	10¼	1	21	7	4	0	12	1	9¼	27	452	5	0	22	12	3	5	13	0¾
3	1	12	8¼	1	20	7	2¼	0	11	1	7¾	28	469	0	0	23	9	0	5	17	3
3	0	12	6¼	1	19	7	0¼	0	10	1	6	29	485	15	0	24	5	9	6	1	5¼
2	27	12	5	1	18	6	10¾	0	9	1	4¼	30	502	10	0	25	2	6	6	5	7¼
2	26	12	3¼	1	17	6	9	0	8	1	2¼	31	519	5	0	25	19	3	6	9	9¾
2	25	12	1¼	1	16	6	7¼	0	7	1	0¾	32	536	0	0	26	16	0	6	14	0
2	24	11	11¾	1	15	6	5¾	0	6	0	11	33	552	15	0	27	12	9	6	18	2¼
2	23	11	10	1	14	6	3¼	0	5	0	9¼	34	569	10	0	28	9	6	7	2	4¾
2	22	11	8¼	1	13	6	1¾	0	4	0	7¼	35	586	5	0	29	6	3	7	6	6¾
2	21	11	6¼	1	12	6	0	0	3	0	5¼	36	603	0	0	30	3	0	7	10	9
2	20	11	4¼	1	11	5	10¼	0	2	0	3¼	37	619	15	0	30	19	9	7	14	11¼
2	19	11	3	1	10	5	8¾	0	1	0	1¾	38	636	10	0	31	16	6	7	19	1¾

£17 per ton, 17s. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£17 per ton.			17s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yd., average 4s. 3d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	16	10½	2	18	11	2½	1	9	5	7½	2	34	0	0	1	14	0	0	8	6
3	26	16	8½	2	17	11	0½	1	8	5	5½	3	51	0	0	2	11	0	0	12	9
3	25	16	6¾	2	16	10	10¾	1	7	5	4	4	68	0	0	3	8	0	0	17	0
3	24	16	5	2	15	10	9	1	6	5	2¼	5	85	0	0	4	5	0	1	1	3
3	23	16	3¼	2	14	10	7¼	1	5	5	0½	6	102	0	0	5	2	0	1	5	6
3	22	16	1½	2	13	10	5½	1	4	4	10½	7	119	0	0	5	19	0	1	9	9
3	21	15	11½	2	12	10	3½	1	3	4	8¾	8	136	0	0	6	16	0	1	14	0
3	20	15	9¾	2	11	10	1¾	1	2	4	7	9	153	0	0	7	13	0	1	18	3
3	19	15	8	2	10	10	0	1	1	4	5	10	170	0	0	8	10	0	2	2	6
3	18	15	6¼	2	9	9	10¼	1	0	4	3	11	187	0	0	9	7	0	2	6	9
3	17	15	4½	2	8	9	8½	0	27	4	1	12	204	0	0	10	4	0	2	11	0
3	16	15	2¾	2	7	9	6¾	0	26	3	11	13	221	0	0	11	1	0	2	16	3
3	15	15	0¾	2	6	9	5	0	25	3	9½	14	238	0	0	11	18	0	2	19	6
3	14	14	10¾	2	5	9	3½	0	24	3	7½	15	255	0	0	12	15	0	3	3	9
3	13	14	8¾	2	4	9	1½	0	23	3	5¾	16	272	0	0	13	12	0	3	8	0
3	12	14	7	2	3	8	11¾	0	22	3	4	17	289	0	0	14	9	0	3	12	3
3	11	14	5¼	2	2	8	10	0	21	3	2¼	18	306	0	0	15	6	0	3	16	6
3	10	14	3½	2	1	8	8	0	20	3	1½	19	323	0	0	16	3	0	4	0	9
3	9	14	0¾	2	0	8	6	0	19	2	11½	20	340	0	0	17	0	0	4	5	0
3	8	13	11	1	27	8	4½	0	18	2	9½	21	357	0	0	17	17	0	4	9	3
3	7	13	9¼	1	26	8	2½	0	17	2	7½	22	374	0	0	18	14	0	4	13	6
3	6	13	7½	1	25	8	0¾	0	16	2	5½	23	391	0	0	19	11	0	4	17	9
3	5	13	5¾	1	24	7	11	0	15	2	3½	24	408	0	0	20	8	0	5	2	0
3	4	13	4	1	23	7	9½	0	14	2	1½	25	425	0	0	21	5	0	5	6	3
3	3	13	2¼	1	22	7	7½	0	13	1	11¾	26	442	0	0	22	2	0	5	10	6
3	2	13	0½	1	21	7	5¾	0	12	1	10	27	459	0	0	22	19	0	5	14	9
3	1	12	10¾	1	20	7	4	0	11	1	8	28	476	0	0	23	16	0	5	19	0
3	0	12	9	1	19	7	2	0	10	1	6½	29	493	0	0	24	13	0	6	3	3
2	27	12	7¼	1	18	7	0	0	9	1	4½	30	510	0	0	25	10	0	6	7	6
2	26	12	5½	1	17	6	10½	0	8	1	2¾	31	527	0	0	26	7	0	6	11	9
2	25	12	3¾	1	16	6	8½	0	7	1	1	32	544	0	0	27	4	0	6	16	0
2	24	12	1	1	15	6	6½	0	6	0	11½	33	561	0	0	28	1	0	7	0	3
2	23	11	11	1	14	6	4½	0	5	0	9½	34	578	0	0	28	18	0	7	4	6
2	22	11	9½	1	13	6	2¾	0	4	0	7½	35	595	0	0	29	15	0	7	8	9
2	21	11	7½	1	12	6	1	0	3	0	5½	36	612	0	0	30	12	0	7	13	0
2	20	11	5¾	1	11	5	11	0	2	0	3½	37	629	0	0	31	9	0	7	17	3
2	19	11	4	1	10	5	9½	0	1	0	1½	38	646	0	0	32	6	0	8	1	6

£17 15s. per ton, 17s. 9d. per cwt. Rate per qr. cwt., stone, and lb.									No.	£17 15s. per ton.			17s. 9d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 4s. 5¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	17	7¼	2	18	11	9	1	9	5	10¼	2	35	10	0	1	15	6	0	8	10¼
3	26	17	5½	2	17	11	7¼	1	8	5	8¾	3	53	5	0	2	13	3	0	13	3¾
3	25	17	3¾	2	16	11	5½	1	7	5	7	4	71	0	0	3	11	0	0	17	9
3	24	17	1¾	2	15	11	3¾	1	6	5	5¼	5	88	15	0	4	8	9	1	2	2¼
3	23	16	11¾	2	14	11	1¾	1	5	5	3¼	6	106	10	0	5	6	6	1	6	7¼
3	22	16	9¾	2	13	10	11¼	1	4	5	1¼	7	124	5	0	6	4	3	1	11	0¾
3	21	16	8	2	12	10	9¼	1	3	4	11¼	8	142	0	0	7	2	0	1	15	6
3	20	16	6	2	11	10	7¼	1	2	4	9¼	9	159	15	0	7	19	9	1	19	11¼
3	19	16	4	2	10	10	5¾	1	1	4	7¼	10	177	10	0	8	17	6	2	4	4¼
3	18	16	2¼	2	9	10	4	1	0	4	5¼	11	195	5	0	9	15	3	2	8	9¾
3	17	16	0¼	2	8	10	2	0	27	4	3¼	12	213	0	0	10	13	0	2	13	3
3	16	15	10½	2	7	10	0¼	0	26	4	1¼	13	230	15	0	11	10	9	2	17	8¼
3	15	15	8¼	2	6	9	10¼	0	25	3	11¼	14	248	10	0	12	8	6	3	2	1¼
3	14	15	6¼	2	5	9	8¼	0	24	3	9¾	15	266	5	0	13	6	3	3	6	6¾
3	13	15	4¼	2	4	9	6¼	0	23	3	8	16	284	0	0	14	4	0	3	11	0
3	12	15	2¼	2	3	9	4¼	0	22	3	6¼	17	301	15	0	15	1	9	3	15	5¼
3	11	15	0¾	2	2	9	2¼	0	21	3	4¼	18	319	10	0	15	19	6	3	19	10¼
3	10	14	11	2	1	9	0¼	0	20	3	2¼	19	337	5	0	16	17	3	4	4	3¾
3	9	14	9	2	0	8	10¼	0	19	3	0¼	20	355	0	0	17	15	0	4	8	9
3	8	14	7¼	1	27	8	8¾	0	18	2	10¼	21	372	15	0	18	12	9	4	13	2¼
3	7	14	5¼	1	26	8	6¾	0	17	2	8¼	22	390	10	0	19	10	6	4	17	7¼
3	6	14	3¼	1	25	8	5	0	16	2	6¼	23	408	5	0	20	8	3	5	2	0¾
3	5	14	1¼	1	24	8	3	0	15	2	4¼	24	426	0	0	21	6	0	5	6	6
3	4	13	11¼	1	23	8	1¼	0	14	2	2¼	25	443	15	0	22	3	9	5	10	11¼
3	3	13	9¼	1	22	7	11¼	0	13	2	0¾	26	461	10	0	23	1	6	5	15	4¼
3	2	13	7¼	1	21	7	9¼	0	12	1	11	27	479	5	0	23	19	3	5	19	9¾
3	1	13	5¼	1	20	7	7¼	0	11	1	9¼	28	497	0	0	24	17	0	6	4	3
3	0	13	3¾	1	19	7	5¾	0	10	1	7¼	29	514	15	0	25	14	9	6	8	8¼
2	27	13	2	1	18	7	3¾	0	9	1	5¼	30	532	10	0	26	12	6	5	13	1¼
2	26	13	0	1	17	7	2	0	8	1	3¾	31	550	5	0	27	10	3	6	17	6¾
2	25	12	10¼	1	16	7	0	0	7	1	1¾	32	568	0	0	28	8	0	7	2	0
2	24	12	8¼	1	15	6	10	0	6	0	11¾	33	585	15	0	29	5	9	7	6	5¼
2	23	12	6¼	1	14	6	8	0	5	0	9¾	34	603	10	0	30	3	6	7	10	10¼
2	22	12	4¾	1	13	6	6	0	4	0	7¾	35	621	5	0	31	1	3	7	15	3¾
2	21	12	2¾	1	12	6	4¼	0	3	0	5¾	36	639	0	0	31	19	0	7	19	9
2	20	12	1	1	11	6	2¼	0	2	0	3¾	37	656	15	0	32	16	9	8	4	2¼
2	19	11	11	1	10	6	0¼	0	1	0	1¾	38	674	10	0	33	14	6	8	8	7¼

£17 10s. per ton, 17s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£17 10s. per ton.			17s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 4s. 4½d.		
qr	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	17	4¼	2	18	11	7¼	1	9	5	9¼	2	35	0	0	1	15	0	0	8	9
3	26	17	2¼	2	17	11	5¼	1	8	5	7¾	3	52	10	0	2	12	6	0	13	1½
3	25	17	0½	2	16	11	3½	1	7	5	5	4	70	0	0	3	10	0	0	17	6
3	24	16	10¾	2	15	11	1¼	1	6	5	3¾	5	87	10	0	4	7	6	1	1	10½
3	23	16	9	2	14	10	11¼	1	5	5	1¾	6	105	0	0	5	5	0	1	6	3
3	22	16	7¼	2	13	10	9⅛	1	4	4	11¾	7	122	10	0	6	2	6	1	10	7½
3	21	16	5½	2	12	10	7⅛	1	3	4	10	8	140	0	0	7	0	0	1	15	0
3	20	16	3¾	2	11	10	5⅛	1	2	4	8¼	9	157	10	0	7	17	6	1	19	4½
3	19	16	1¾	2	10	10	3⅛	1	1	4	6¼	10	175	0	0	8	15	0	2	3	9
3	18	15	11¾	2	9	10	1⅛	1	0	4	4¼	11	192	10	0	9	12	6	2	8	1½
3	17	15	9¾	2	8	10	0	0	27	4	2¼	12	210	0	0	10	10	0	2	12	6
3	16	15	7¾	2	7	9	10	0	26	4	0⅛	13	227	10	0	11	7	6	2	16	10½
3	15	15	5¾	2	6	9	8¼	0	25	3	11	14	245	0	0	12	5	0	3	1	3
3	14	15	3¾	2	5	9	6¼	0	24	3	9	15	262	10	0	13	2	6	3	5	7½
3	13	15	2	2	4	9	4⅛	0	23	3	7¼	16	280	0	0	14	0	0	3	10	0
3	12	15	0	2	3	9	3	0	22	3	5¼	17	297	10	0	14	17	6	3	14	4½
3	11	14	10¼	2	2	9	1	0	21	3	3¼	18	315	0	0	15	15	0	3	18	9
3	10	14	8⅛	2	1	8	11	0	20	3	1¼	19	332	10	0	16	12	6	4	3	1½
3	9	14	6¾	2	0	8	9	0	19	2	11¼	20	350	0	0	17	10	0	4	7	6
3	8	14	5	1	27	8	7¼	0	18	2	9⅜	21	367	10	0	18	7	6	4	11	10½
3	7	14	3¼	1	26	8	5¼	0	17	2	8	22	385	0	0	19	5	0	4	16	3
3	6	14	1¼	1	25	8	3¼	0	16	2	6¼	23	402	10	0	20	2	6	5	0	7½
3	5	13	11¼	1	24	8	1⅛	0	15	2	4¼	24	420	0	0	21	0	0	5	5	0
3	4	13	9¼	1	23	7	11¾	0	14	2	2¼	25	437	10	0	21	17	6	5	9	4½
3	3	13	7¼	1	22	7	9¾	0	13	2	0⅛	26	455	0	0	22	15	0	5	13	9
3	2	13	5¼	1	21	7	8	0	12	1	10¾	27	472	10	0	23	12	6	5	18	1½
3	1	13	3¼	1	20	7	6	0	11	1	9	28	490	0	0	24	10	0	6	2	6
3	0	13	1¼	1	19	7	4¼	0	10	1	7¼	29	507	10	0	25	7	6	6	6	10½
2	27	12	11¾	1	18	7	2¼	0	9	1	5¼	30	525	0	0	26	5	0	6	11	3
2	26	12	10	1	17	7	0⅛	0	8	1	3¼	31	542	10	0	27	2	6	6	15	7½
2	25	12	8¼	1	16	6	10¾	0	7	1	1⅛	32	560	0	0	28	0	0	7	0	0
2	24	12	6¼	1	15	6	8¾	0	6	0	11¼	33	577	10	0	28	17	6	7	4	4½
2	23	12	4¾	1	14	6	6¾	0	5	0	9½	34	595	0	0	29	15	0	7	8	9
2	22	12	3	1	13	6	5	0	4	0	7⅛	35	612	10	0	30	12	6	7	13	1½
2	21	12	1	1	12	6	3¼	0	3	0	5⅛	36	630	0	0	31	10	0	7	17	6
2	20	11	11¼	1	11	6	1¼	0	2	0	3⅛	37	647	10	0	32	7	6	8	1	10½
2	19	11	9¼	1	10	5	11¼	0	1	0	1⅛	38	666	0	0	33	5	0	8	6	3

£17 15s. per ton, 17s. 9d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£17 15s. per ton.			17s. 9d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 4s. 5¼d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
3	27	17	7¾	2	18	11	9	1	9	5	10¼	2	35	10	0	1	15	6	0	8	10¼
3	26	17	5¾	2	17	11	7¾	1	8	5	8¾	3	53	5	0	2	13	3	0	13	3¾
3	25	17	3¾	2	16	11	5¾	1	7	5	7	4	71	0	0	3	11	0	0	17	9
3	24	17	1¾	2	15	11	3¾	1	6	5	5¼	5	88	15	0	4	8	9	1	2	2¼
3	23	16	11¾	2	14	11	1¾	1	5	5	3¼	6	106	10	0	5	6	6	1	6	7½
3	22	16	9¾	2	13	10	11¾	1	4	5	1¼	7	124	5	0	6	4	3	1	11	0¾
3	21	16	8	2	12	10	9¾	1	3	4	11¼	8	142	0	0	7	2	0	1	15	6
3	20	16	6	2	11	10	7¾	1	2	4	9¼	9	159	15	0	7	19	9	1	19	11¼
3	19	16	4	2	10	10	5¾	1	1	4	7¼	10	177	10	0	8	17	6	2	4	4½
3	18	16	2¼	2	9	10	4	1	0	4	5¼	11	195	5	0	9	15	3	2	8	9¾
3	17	16	0¼	2	8	10	2	0	27	4	3¼	12	213	0	0	10	13	0	2	13	3
3	16	15	10¼	2	7	10	0¼	0	26	4	1¼	13	230	15	0	11	10	9	2	17	8¼
3	15	15	8¼	2	6	9	10¼	0	25	3	11¼	14	248	10	0	12	8	6	3	2	1½
3	14	15	6¼	2	5	9	8¼	0	24	3	9¼	15	266	5	0	13	6	3	3	6	6¾
3	13	15	4¼	2	4	9	6¼	0	23	3	8	16	284	0	0	14	4	0	3	11	0
3	12	15	2¼	2	3	9	4¼	0	22	3	6¼	17	301	15	0	15	1	9	3	15	5¼
3	11	15	0¼	2	2	9	2¼	0	21	3	4¼	18	319	10	0	15	19	6	3	19	10¼
3	10	14	11	2	1	9	0¼	0	20	3	2¼	19	337	5	0	16	17	3	4	4	3¾
3	9	14	9	2	0	8	10¼	0	19	3	0¼	20	355	0	0	17	15	0	4	8	9
3	8	14	7¼	1	27	8	8¼	0	18	2	10¼	21	372	15	0	18	12	9	4	13	2¼
3	7	14	5¼	1	26	8	6¼	0	17	2	8¼	22	390	10	0	19	10	6	4	17	7½
3	6	14	3¼	1	25	8	5	0	16	2	6¼	23	408	5	0	20	8	3	5	2	0¾
3	5	14	1¼	1	24	8	3	0	15	2	4¼	24	426	0	0	21	6	0	5	6	6
3	4	13	11¼	1	23	8	1¼	0	14	2	2¼	25	443	15	0	22	3	9	5	10	11¼
3	3	13	9¼	1	22	7	11¼	0	13	2	0¼	26	461	10	0	23	1	6	5	15	4½
3	2	13	7¼	1	21	7	9¼	0	12	1	11	27	479	5	0	23	19	3	5	19	9¾
3	1	13	5¼	1	20	7	7¼	0	11	1	9¼	28	497	0	0	24	17	0	6	4	3
3	0	13	3¼	1	19	7	5¼	0	10	1	7¼	29	514	15	0	25	14	9	6	8	8¼
2	27	13	2	1	18	7	3¾	0	9	1	5¼	30	532	10	0	26	12	6	6	13	1½
2	26	13	0	1	17	7	2	0	8	1	3¾	31	550	5	0	27	10	3	6	17	6¾
2	25	12	10¼	1	16	7	0	0	7	1	1¾	32	568	0	0	28	8	0	7	2	0
2	24	12	8¼	1	15	6	10	0	6	0	11¾	33	585	15	0	29	5	9	7	6	5¼
2	23	12	6¼	1	14	6	8	0	5	0	9¾	34	603	10	0	30	3	6	7	10	10½
2	22	12	4¼	1	13	6	6	0	4	0	7¾	35	621	5	0	31	1	3	7	15	3¾
2	21	12	2¼	1	12	6	4½	0	3	0	5¾	36	639	0	0	31	19	0	7	19	9
2	20	12	1	1	11	6	2½	0	2	0	3¾	37	656	15	0	32	16	9	8	4	2¼
2	19	11	11	1	10	6	0½	0	1	0	1¾	38	674	10	0	33	14	6	8	8	7½

£18 per ton, 18s. per cwt. Rate per qr. cwt., stone, and lb.									No.	£18 per ton.			18s. per cwt., bush., day, or yard.			qr. cwt., peck, ½ day, ¼ yd., average 4s. 6d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	17	10½	2	18	11	11	1	9	5	11¾	2	36	0	0	1	16	0	0	9	0
3	26	17	8½	2	17	11	9	1	8	5	10	3	54	0	0	2	14	0	0	13	6
3	25	17	6½	2	16	11	7	1	7	5	8	4	72	0	0	3	12	0	0	18	0
3	24	17	4½	2	15	11	5	1	6	5	6	5	90	0	0	4	10	0	1	2	6
3	23	17	2½	2	14	11	3	1	5	5	4	6	108	0	0	5	8	0	1	7	0
3	22	17	0½	2	13	11	1	1	4	5	2	7	126	0	0	6	6	0	1	11	6
3	21	16	10½	2	12	10	11	1	3	5	0	8	144	0	0	7	4	0	1	16	0
3	20	16	8½	2	11	10	9½	1	2	4	10	9	162	0	0	8	2	0	2	0	6
3	19	16	7	2	10	10	7½	1	1	4	8	10	180	0	0	9	0	0	2	5	0
3	18	16	5	2	9	10	5½	1	0	4	6	11	198	0	0	9	18	0	2	9	6
3	17	16	3	2	8	10	3½	0	27	4	4	12	216	0	0	10	16	0	2	14	0
3	16	16	1	2	7	10	1½	0	26	4	2½	13	234	0	0	11	14	0	2	18	6
3	15	15	11	2	6	10	0	0	25	4	0½	14	252	0	0	12	12	0	3	3	0
3	14	15	9	2	5	9	10	0	24	3	10½	15	270	0	0	13	10	0	3	7	6
3	13	15	7½	2	4	9	8	0	23	3	8½	16	288	0	0	14	8	0	3	12	0
3	12	15	5½	2	3	9	6	0	22	3	7	17	306	0	0	15	6	0	3	16	6
3	11	15	3½	2	2	9	4	0	21	3	5	18	324	0	0	16	4	0	4	1	0
3	10	15	1½	2	1	9	2	0	20	3	3	19	342	0	0	17	2	0	4	5	6
3	9	15	0	2	0	9	0	0	19	3	1	20	360	0	0	18	0	0	4	10	0
3	8	14	10	1	27	8	10½	0	18	2	11	21	378	0	0	18	18	0	4	14	6
3	7	14	8	1	26	8	8½	0	17	2	9	22	396	0	0	19	16	0	4	19	0
3	6	14	6	1	25	8	6½	0	16	2	7	23	414	0	0	20	14	0	5	3	6
3	5	14	4	1	24	8	4½	0	15	2	5	24	432	0	0	21	12	0	5	8	0
3	4	14	2	1	23	8	2½	0	14	2	3	25	450	0	0	22	10	0	5	12	6
3	3	14	0	1	22	8	1	0	13	2	1	26	468	0	0	23	8	0	5	17	0
3	2	13	10	1	21	7	11	0	12	1	11½	27	486	0	0	24	6	0	6	1	6
3	1	13	8	1	20	7	9	0	11	1	9½	28	504	0	0	25	4	0	6	6	0
3	0	13	6	1	19	7	7	0	10	1	7½	29	522	0	0	26	2	0	6	10	6
2	27	13	4½	1	18	7	5	0	9	1	5½	30	540	0	0	27	0	0	6	15	0
2	26	13	2½	1	17	7	3	0	8	1	3½	31	558	0	0	27	18	0	6	19	6
2	25	13	0½	1	16	7	1	0	7	1	1½	32	576	0	0	28	16	0	7	4	0
2	24	12	10½	1	15	6	11	0	6	0	11¼	33	594	0	0	29	14	0	7	8	6
2	23	12	8½	1	14	6	9	0	5	0	9¼	34	612	0	0	30	12	0	7	13	0
2	22	12	7	1	13	6	7½	0	4	0	7¼	35	630	0	0	31	10	0	7	17	6
2	21	12	5	1	12	6	5½	0	3	0	5¼	36	648	0	0	32	8	0	8	2	0
2	20	12	3	1	11	6	3½	0	2	0	3¼	37	666	0	0	33	6	0	8	6	6
2	19	12	1	1	10	6	1½	0	1	0	1¼	38	684	0	0	34	4	0	8	11	0

£18 5s. per ton, 18s. 3d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£18 5s. per ton.			18s. 3d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yard, average 4s. 6¾d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	18	1¼	2	18	12	1	1	9	5	11¼	2	36	10	0	1	16	6	0	9	1¼
3	26	17	11¼	2	17	11	11	1	8	5	9¼	3	54	15	0	2	14	9	0	13	8¼
3	25	17	9¼	2	16	11	9	1	7	5	7¼	4	73	0	0	3	13	0	0	18	3
3	24	17	7¼	2	15	11	7	1	6	5	5¼	5	91	5	0	4	11	3	1	2	9¼
3	23	17	5¼	2	14	11	5	1	5	5	3¼	6	109	10	0	5	9	6	1	7	4¼
3	22	17	3¼	2	13	11	3	1	4	5	1¼	7	127	15	0	6	7	9	1	11	11¼
3	21	17	1¼	2	12	11	1	1	3	5	0	8	146	0	0	7	6	0	1	16	6
3	20	16	11¼	2	11	10	11	1	2	4	10¼	9	164	5	0	8	4	3	2	1	0¼
3	19	16	9¼	2	10	10	9¼	1	1	4	8¼	10	182	10	0	9	2	6	2	5	7¼
3	18	16	7¼	2	9	10	7¼	1	0	4	6¼	11	200	15	0	10	0	9	2	10	2¼
3	17	16	5¼	2	8	10	5¼	0	27	4	5	12	219	0	0	10	19	0	2	14	9
3	16	16	3¼	2	7	10	3¼	0	26	4	3	13	237	5	0	11	17	3	2	19	3¼
3	15	16	1¼	2	6	10	1¼	0	25	4	1¼	14	255	10	0	12	15	6	3	3	10¼
3	14	15	11¼	2	5	9	11¼	0	24	3	11¼	15	273	15	0	13	13	9	3	8	5¼
3	13	15	9¼	2	4	9	9¼	0	23	3	9¼	16	292	0	0	14	12	0	3	13	0
3	12	15	8	2	3	9	7¼	0	22	3	7¼	17	310	5	0	15	10	3	3	17	6¾
3	11	15	6¼	2	2	9	5¼	0	21	3	5¼	18	328	10	0	16	8	6	4	2	1¼
3	10	15	4¼	2	1	9	3¼	0	20	3	3¼	19	346	15	0	17	6	9	4	6	8¼
3	9	15	2¼	2	0	9	1¼	0	19	3	1¼	20	365	0	0	18	5	0	4	11	3
3	8	15	0¼	1	27	8	11¼	0	18	2	11¼	21	383	5	0	19	3	3	4	15	9¾
3	7	14	10¼	1	26	8	9¼	0	17	2	9¼	22	401	10	0	20	1	6	5	0	4¼
3	6	14	8¼	1	25	8	7¼	0	16	2	7¼	23	419	15	0	20	19	9	5	4	11¼
3	5	14	6¼	1	24	8	5¼	0	15	2	5¼	24	438	0	0	21	18	0	5	9	6
3	4	14	4¼	1	23	8	3¼	0	14	2	3¼	25	456	5	0	22	16	3	5	14	0¾
3	3	14	2¼	1	22	8	1¼	0	13	2	1¼	26	474	10	0	23	14	6	5	18	7¼
3	2	14	0¼	1	21	7	11¼	0	12	1	11¼	27	492	15	0	24	12	9	6	3	2¼
3	1	13	10¼	1	20	7	9¼	0	11	1	9¼	28	511	0	0	25	11	0	6	7	9
3	0	13	8¼	1	19	7	7¼	0	10	1	7¼	29	529	5	0	26	9	3	6	12	3¾
2	27	13	6¼	1	18	7	5¼	0	9	1	5¼	30	547	10	0	27	7	6	6	16	10¼
2	26	13	4¼	1	17	7	3¼	0	8	1	3¼	31	565	15	0	28	5	9	7	1	5¼
2	25	13	2¼	1	16	7	1¼	0	7	1	1¼	32	584	0	0	29	4	0	7	6	0
2	24	13	0¼	1	15	6	11¼	0	6	0	11¼	33	602	5	0	30	2	3	7	10	6¾
2	23	12	10¼	1	14	6	9¼	0	5	0	9¼	34	620	10	0	31	0	6	7	15	1¼
2	22	12	8¼	1	13	6	7¼	0	4	0	7¼	35	638	15	0	31	18	9	7	19	8¼
2	21	12	7	1	12	6	5¼	0	3	0	5¼	36	657	0	0	32	17	0	8	4	3
2	20	12	5	1	11	6	3¼	0	2	0	3¼	37	675	5	0	33	15	3	8	8	9¾
2	19	12	3	1	10	6	1¼	0	1	0	1¼	38	693	10	0	34	13	6	8	13	4¼

£18 10s. per ton, 18s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.									No.	£18 10s. per ton.			18s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, sv. 4s. 7½d.		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
3	27	18	4½	2	18	12	2¾	1	9	6	1½	2	37	0	0	1	17	0	0	2	3
3	26	18	2½	2	17	12	0¾	1	8	5	11½	3	55	10	0	2	15	6	0	13	10½
3	25	18	0½	2	16	11	10¾	1	7	5	9½	4	74	0	0	3	14	0	0	18	6
3	24	17	10½	2	15	11	8¾	1	6	5	7½	5	92	10	0	4	12	6	1	3	1½
3	23	17	8½	2	14	11	6¾	1	5	5	5½	6	111	0	0	5	11	0	1	7	9
3	22	17	6½	2	13	11	4¾	1	4	5	3½	7	129	10	0	6	9	6	1	12	4½
3	21	17	4½	2	12	11	2¾	1	3	5	1½	8	148	0	0	7	8	0	1	17	0
3	20	17	2½	2	11	11	0¾	1	2	4	11½	9	166	10	0	8	6	6	2	1	7½
3	19	17	0½	2	10	10	10¾	1	1	4	9½	10	185	0	0	9	5	0	2	6	3
3	18	16	10½	2	9	10	9	1	0	4	7½	11	203	10	0	10	3	6	2	10	10½
3	17	16	8½	2	8	10	7	0	27	4	5½	12	222	0	0	11	2	0	2	15	6
3	16	16	6½	2	7	10	5	0	26	4	3½	13	240	10	0	12	0	6	3	0	1½
3	15	16	4½	2	6	10	3	0	25	4	1½	14	259	0	0	12	19	0	3	4	9
3	14	16	2½	2	5	10	1	0	24	3	11½	15	277	10	0	13	17	6	3	9	4½
3	13	16	0½	2	4	9	11	0	23	3	9½	16	296	0	0	14	16	0	3	14	0
3	12	15	10½	2	3	9	9	0	22	3	7½	17	314	10	0	15	14	6	3	18	7½
3	11	15	8½	2	2	9	7	0	21	3	5½	18	333	0	0	16	13	0	4	3	3
3	10	15	6½	2	1	9	5	0	20	3	3½	19	351	10	0	17	11	6	4	7	10½
3	9	15	4½	2	0	9	3	0	19	3	1½	20	370	0	0	18	10	0	4	12	6
3	8	15	2½	1	27	9	1	0	18	2	11½	21	388	10	0	19	8	6	4	17	1½
3	7	15	0½	1	26	8	11	0	17	2	9½	22	407	0	0	20	7	0	5	1	9
3	6	14	10½	1	25	8	9	0	16	2	7½	23	425	10	0	21	5	6	5	6	4½
3	5	14	8½	1	24	8	7	0	15	2	5½	24	444	0	0	22	4	0	5	11	0
3	4	14	6½	1	23	8	5	0	14	2	3½	25	462	10	0	23	2	6	5	15	7½
3	3	14	4½	1	22	8	3	0	13	2	1½	26	481	0	0	24	1	0	6	0	3
3	2	14	2½	1	21	8	1	0	12	1	11½	27	499	10	0	24	19	6	6	4	10½
3	1	14	0½	1	20	7	11	0	11	1	9½	28	518	0	0	25	18	0	6	9	6
3	0	13	10½	1	19	7	9	0	10	1	7½	29	536	10	0	26	16	6	6	14	1½
2	27	13	8½	1	18	7	7½	0	9	1	5½	30	555	0	0	27	15	0	6	18	9
2	26	13	6½	1	17	7	5½	0	8	1	3½	31	573	10	0	28	13	6	7	3	4½
2	25	13	4½	1	16	7	3½	0	7	1	1½	32	592	0	0	29	12	0	7	8	0
2	24	13	2½	1	15	7	1½	0	6	0	11½	33	610	10	0	30	10	6	7	12	7½
2	23	13	0½	1	14	6	11½	0	5	0	9½	34	629	0	0	31	9	0	7	17	3
2	22	12	10½	1	13	6	9½	0	4	0	7½	35	647	10	0	32	7	6	8	1	10½
2	21	12	8½	1	12	6	7½	0	3	0	5½	36	666	0	0	33	6	0	8	6	6
2	20	12	6½	1	11	6	5½	0	2	0	3½	37	684	10	0	34	4	6	8	11	1½
2	19	12	4½	1	10	6	3½	0	1	0	1½	38	703	0	0	35	3	0	8	15	9

£18 13*s.* 4*d.* per ton, 18*s.* 8*d.* per cwt. Rate per qr. cwt., stone, and lb.									No.	£18 13*s.*4*d* per ton.			18*s.* 8*d.* per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yard, *av.* 4*s.* 8*d.*		
qr.	lb.	s.	d.	qr.	lb.	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	18	6	2	18	12	4	1	9	6	2	2	37	6	8	1	17	4	0	9	4
3	26	18	4	2	17	12	2	1	8	6	0	3	56	0	0	2	16	0	0	14	0
3	25	18	2	2	16	12	0	1	7	5	10	4	74	13	4	3	14	8	0	18	8
3	24	18	0	2	15	11	10	1	6	5	8	5	93	6	8	4	13	4	1	3	4
3	23	17	10	2	14	11	8	1	5	5	6	6	112	0	0	5	12	0	1	8	0
3	22	17	8	2	13	11	6	1	4	5	4	7	130	13	4	6	10	8	1	12	8
3	21	17	6	2	12	11	4	1	3	5	2	8	149	6	8	7	9	4	1	17	4
3	20	17	4	2	11	11	2	1	2	5	0	9	168	0	0	8	8	0	2	2	0
3	19	17	2	2	10	11	0	1	1	4	10	10	186	13	4	9	6	8	2	6	8
3	18	17	0	2	9	10	10	1	0	4	8	11	205	6	8	10	5	4	2	11	4
3	17	16	10	2	8	10	8	0	27	4	6	12	224	0	0	11	4	0	2	16	0
3	16	16	8	2	7	10	6	0	26	4	4	13	242	13	4	12	2	8	3	0	8
3	15	16	6	2	6	10	4	0	25	4	2	14	261	6	8	13	1	4	3	5	4
3	14	16	4	2	5	10	2	0	24	4	0	15	280	0	0	14	0	0	3	10	0
3	13	16	2	2	4	10	0	0	23	3	10	16	298	13	4	14	18	8	3	14	8
3	12	16	0	2	3	9	10	0	22	3	8	17	317	6	8	15	17	4	3	19	4
3	11	15	10	2	2	9	8	0	21	3	6	18	336	0	0	16	16	0	4	4	0
3	10	15	8	2	1	9	6	0	20	3	4	19	354	13	4	17	14	8	4	8	8
3	9	15	6	2	0	9	4	0	19	3	2	20	373	6	8	18	13	4	4	13	4
3	8	15	4	1	27	9	2	0	18	3	0	21	392	0	0	19	12	0	4	18	0
3	7	15	2	1	26	9	0	0	17	2	10	22	410	13	4	20	10	8	5	2	8
3	6	15	0	1	25	8	10	0	16	2	8	23	429	6	8	21	9	4	5	7	4
3	5	14	10	1	24	8	8	0	15	2	6	24	448	0	0	22	8	0	5	12	0
3	4	14	8	1	23	8	6	0	14	2	4	25	466	13	4	23	6	8	5	16	8
3	3	14	6	1	22	8	4	0	13	2	2	26	485	6	8	24	5	4	6	1	4
3	2	14	4	1	21	8	2	0	12	2	0	27	504	0	0	25	4	0	6	6	0
3	1	14	2	1	20	8	0	0	11	1	10	28	522	13	4	26	2	8	6	10	8
3	0	14	0	1	19	7	10	0	10	1	8	29	541	6	8	27	1	4	6	15	4
2	27	13	10	1	18	7	8	0	9	1	6	30	560	0	0	28	0	0	7	0	0
2	26	13	8	1	17	7	6	0	8	1	4	31	578	13	4	28	18	8	7	4	8
2	25	13	6	1	16	7	4	0	7	1	2	32	597	6	8	29	17	4	7	9	4
2	24	13	4	1	15	7	2	0	6	1	0	33	616	0	0	30	16	0	7	14	0
2	23	13	2	1	14	7	0	0	5	0	10	34	634	13	4	31	14	8	7	18	8
2	22	13	0	1	13	6	10	0	4	0	8	35	653	6	8	32	13	4	8	3	4
2	21	12	10	1	12	6	8	0	3	0	6	36	672	0	0	33	12	0	8	8	0
2	20	12	8	1	11	6	6	0	2	0	4	37	690	13	4	34	10	8	8	12	8
2	19	12	6	1	10	6	4	0	1	0	2	38	709	6	8	35	9	4	8	17	4

Note—2*d.* per lb.

£18 15s. per ton, 18s. 9d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£18 15s. per ton.			18s. 9d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 4s. 8¼d.		
qr.	lb.	£	s.	d.	qr	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.
3	27	0	18	7	2	18	0	12	4¾	1	9	6	2¼	2	37	10	0	1	17	6	0	9	4¼
3	26	0	18	5	2	17	0	12	2¾	1	8	6	0¼	3	56	5	0	2	16	3	0	14	0¾
3	25	0	18	3	2	16	0	12	0¾	1	7	5	10½	4	75	0	0	3	15	0	0	18	9
3	24	0	18	1	2	15	0	11	10¾	1	6	5	8¼	5	93	15	0	4	13	9	1	3	5¼
3	23	0	17	11	2	14	0	11	8¾	1	5	5	6¼	6	112	10	0	5	12	6	1	8	1¾
3	22	0	17	9	2	13	0	11	6¾	1	4	5	4¼	7	131	5	0	6	11	3	1	12	9¾
3	21	0	17	7	2	12	0	11	4¾	1	3	5	2¼	8	150	0	0	7	10	0	1	17	6
3	20	0	17	5	2	11	0	11	2¾	1	2	5	0¼	9	168	15	0	8	8	9	2	2	2¼
3	19	0	17	3	2	10	0	11	0¾	1	1	4	10½	10	187	10	0	9	7	6	2	6	10¼
3	18	0	17	1	2	9	0	10	10¾	1	0	4	8¼	11	206	5	0	10	6	3	2	11	6¾
3	17	0	16	11	2	8	0	10	8¾	0	27	4	6¼	12	225	0	0	11	5	0	2	16	3
3	16	0	16	9	2	7	0	10	6¾	0	26	4	4¼	13	243	15	0	12	3	9	3	0	11¼
3	15	0	16	7	2	6	0	10	4¾	0	25	4	2¼	14	262	10	0	13	2	6	3	5	7¾
3	14	0	16	5	2	5	0	10	2¾	0	24	4	0¼	15	281	5	0	14	1	3	3	10	3¾
3	13	0	16	3	2	4	0	10	0¾	0	23	3	10½	16	300	0	0	15	0	0	3	15	0
3	12	0	16	1	2	3	0	9	10¾	0	22	3	8¼	17	318	15	0	15	18	9	3	19	8¼
3	11	0	15	11	2	2	0	9	8¾	0	21	3	6¼	18	337	10	0	16	17	6	4	4	4¼
3	10	0	15	9	2	1	0	9	6¾	0	20	3	4¼	19	356	5	0	17	16	3	4	9	0¾
3	9	0	15	7	2	0	0	9	4¾	0	19	3	2¼	20	375	0	0	18	15	0	4	13	9
3	8	0	15	5	1	27	0	9	2¾	0	18	3	0¼	21	393	15	0	19	13	9	4	18	5¼
3	7	0	15	3	1	26	0	9	0¾	0	17	2	10½	22	412	10	0	20	12	6	5	3	1¾
3	6	0	15	1	1	25	0	8	10¾	0	16	2	8¼	23	431	5	0	21	11	3	5	7	9¾
3	5	0	14	11	1	24	0	8	8¾	0	15	2	6¼	24	450	0	0	22	10	0	5	12	6
3	4	0	14	9	1	23	0	8	6¾	0	14	2	4	25	468	15	0	23	8	9	5	17	2¼
3	3	0	14	7	1	22	0	8	4¾	0	13	2	2	26	487	10	0	24	7	6	6	1	10¼
3	2	0	14	5	1	21	0	8	2¾	0	12	2	0	27	506	5	0	25	6	3	6	6	6¾
3	1	0	14	3	1	20	0	8	0¾	0	11	1	11	28	525	0	0	26	5	0	6	11	3
3	0	0	14	0¾	1	19	0	7	10¾	0	10	1	8	29	543	15	0	27	3	9	6	15	11¼
2	27	0	13	10¾	1	18	0	7	8¾	0	9	1	6	30	562	10	0	28	2	6	7	0	7¾
2	26	0	13	8¾	1	17	0	7	6¾	0	8	1	4	31	581	5	0	29	1	3	7	5	3¾
2	25	0	13	6¾	1	16	0	7	4¾	0	7	1	2	32	600	0	0	30	0	0	7	10	0
2	24	0	13	4¾	1	15	0	7	2¾	0	6	1	0	33	618	15	0	30	18	9	7	14	8¼
2	23	0	13	2¾	1	14	0	7	0¾	0	5	0	10	34	637	10	0	31	17	6	7	19	4¼
2	22	0	13	0¾	1	13	0	6	10½	0	4	0	8	35	656	5	0	32	16	3	8	4	0¾
2	21	0	12	10¾	1	12	0	6	8¼	0	3	0	6	36	675	0	0	33	15	0	8	8	9
2	20	0	12	8¾	1	11	0	6	6¼	0	2	0	4	37	693	15	0	34	13	9	8	13	5¼
2	19	0	12	6¾	1	10	0	6	4¼	0	1	0	2	38	712	10	0	35	12	6	8	18	1¼

£19 per ton, 19s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£19 per ton.			19s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 4s.9d.		
qr.lb.	£	s.	d.	qr.lb.	£	s.	d.	qr.lb.	s.	l		£	s.	d.	£	s.	d.	£	s.	d.
3 27	0	18	10	2 18	0	12	7	1 9	6	3½	2	38	0	0	1	18	0	0	9	6
3 26	0	18	8	2 17	0	12	5	1 8	6	1¼	3	57	0	0	2	17	0	0	14	3
3 25	0	18	6	2 16	0	12	3	1 7	5	11	4	76	0	0	3	16	0	0	19	0
3 24	0	18	4	2 15	0	12	0¾	1 6	5	9	5	95	0	0	4	15	0	1	3	9
3 23	0	18	2	2 14	0	11	10¼	1 5	5	7	6	114	0	0	5	14	0	1	8	6
3 22	0	18	0	2 13	0	11	8½	1 4	5	5	7	133	0	0	6	13	0	1	13	3
3 21	0	17	9¾	2 12	0	11	6½	1 3	5	3	8	152	0	0	7	12	0	1	18	0
3 20	0	17	7½	2 11	0	11	4½	1 2	5	1	9	171	0	0	8	11	0	2	2	9
3 19	0	17	5½	2 10	0	11	2½	1 1	4	11	10	190	0	0	9	10	0	2	7	6
3 18	0	17	3½	2 9	0	11	0½	1 0	4	9	11	209	0	0	10	9	0	2	12	3
3 17	0	17	1½	2 8	0	10	10⅜	0 27	4	7	12	228	0	0	11	8	0	2	17	0
3 16	0	16	11½	2 7	0	10	8¼	0 26	4	5	13	247	0	0	12	7	0	3	1	9
3 15	0	16	9¾	2 6	0	10	6¼	0 25	4	3	14	266	0	0	13	6	0	3	6	6
3 14	0	16	7½	2 5	0	10	4	0 24	4	1	15	285	0	0	14	5	0	3	11	3
3 13	0	16	5½	2 4	0	10	2	0 23	3	11	16	304	0	0	15	4	0	3	16	0
3 12	0	16	3½	2 3	0	10	0	0 22	3	8¾	17	323	0	0	16	3	0	4	0	9
3 11	0	16	1½	2 2	0	9	10	0 21	3	6¾	18	342	0	0	17	2	0	4	5	6
3 10	0	15	11¼	2 1	0	9	8	0 20	3	4¾	19	361	0	0	18	1	0	4	10	3
3 9	0	15	9	2 0	0	9	6	0 19	3	2¾	20	380	0	0	19	0	0	4	15	0
3 8	0	15	7	1 27	0	9	4	0 18	3	0¼	21	399	0	0	19	19	0	4	19	9
3 7	0	15	5	1 26	0	9	2	0 17	2	10¼	22	418	0	0	20	18	0	5	4	6
3 6	0	15	3	1 25	0	9	0	0 16	2	8¼	23	437	0	0	21	17	0	5	9	3
3 5	0	15	1	1 24	0	8	10	0 15	2	6¾	24	456	0	0	22	16	0	5	14	0
3 4	0	14	11	1 23	0	8	8	0 14	2	4¾	25	475	0	0	23	15	0	5	18	9
3 3	0	14	9	1 22	0	8	6	0 13	2	2¾	26	494	0	0	24	14	0	6	3	6
3 2	0	14	7	1 21	0	8	4	0 12	2	0¾	27	513	0	0	25	13	0	6	8	3
3 1	0	14	5	1 20	0	8	2	0 11	1	10¼	28	532	0	0	26	12	0	6	13	0
3 0	0	14	3	1 19	0	8	0	0 10	1	8¼	29	551	0	0	27	11	0	6	17	9
2 27	0	14	1	1 18	0	7	10	0 9	1	6¼	30	570	0	0	28	10	0	7	2	6
2 26	0	13	11	1 17	0	7	7¾	0 8	1	4¼	31	589	0	0	29	9	0	7	7	3
2 25	0	13	9	1 16	0	7	5½	0 7	1	2¼	32	608	0	0	30	8	0	7	12	0
2 24	0	13	7	1 15	0	7	3¾	0 6	1	0¼	33	627	0	0	31	7	0	7	16	9
2 23	0	13	5	1 14	0	7	1¾	0 5	0	10¼	34	646	0	0	32	6	0	8	1	6
2 22	0	13	3	1 13	0	6	11¾	0 4	0	8¼	35	665	0	0	33	5	0	8	6	3
2 21	0	13	1	1 12	0	6	9¾	0 3	0	6¼	36	684	0	0	34	4	0	8	11	0
2 20	0	12	11	1 11	0	6	7¾	0 2	0	4	37	703	0	0	35	3	0	8	15	9
2 19	0	12	9	1 10	0	6	5¾	0 1	0	2	38	722	0	0	36	2	0	9	0	6

£19 5s. per ton, 19s. 3d. per cwt. Rate per qr. cwt., stone, and lb.										No.	£19 5s. per ton.			19s. 3d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yard, aver. 4s. 9½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	0	19	1	2	18	0	12	8¾	1	9	6	4¾	2	38	10	0	1	18	6	0	9	7¼
3	26	0	18	11	2	17	0	12	6¼	1	8	6	2¾	3	57	15	0	2	17	9	0	14	5¼
3	25	0	18	9	2	16	0	12	4¼	1	7	6	0¾	4	77	0	0	3	17	0	0	19	3
3	24	0	18	7	2	15	0	12	2¼	1	6	5	10¼	5	96	5	0	4	16	3	1	4	0¾
3	23	0	18	5	2	14	0	12	0¼	1	5	5	8¼	6	115	10	0	5	15	6	1	8	10¼
3	22	0	18	3	2	13	0	11	10¼	1	4	5	6	7	134	15	0	6	14	9	1	13	8¼
3	21	0	18	1	2	12	0	11	8¼	1	3	5	3¾	8	154	0	0	7	14	0	1	18	6
3	20	0	17	11	2	11	0	11	6¼	1	2	5	1¾	9	173	5	0	8	13	3	2	3	3¾
3	19	0	17	9	2	10	0	11	4¼	1	1	4	11¾	10	192	10	0	9	12	6	2	8	1¼
3	18	0	17	7¼	2	9	0	11	2¼	1	0	4	9¾	11	211	15	0	10	11	9	2	12	11¼
3	17	0	17	4¾	2	8	0	11	0¼	0	27	4	7¼	12	231	0	0	11	11	0	2	17	9
3	16	0	17	2¼	2	7	0	10	10¼	0	26	4	5¼	13	250	5	0	12	10	3	3	2	6¾
3	15	0	17	0¼	2	6	0	10	8	0	25	4	3	14	269	10	0	13	9	6	3	7	4¼
3	14	0	16	10¾	2	5	0	10	5¾	0	24	4	1	15	288	15	0	14	8	9	3	12	2¼
3	13	0	16	8¼	2	4	0	10	3¼	0	23	3	11	16	308	0	0	15	8	0	3	17	0
3	12	0	16	6¼	2	3	0	10	1¼	0	22	3	9	17	327	5	0	16	7	3	4	1	9¾
3	11	0	16	4¼	2	2	0	9	11¼	0	21	3	7	18	346	10	0	17	6	6	4	6	7¼
3	10	0	16	2¼	2	1	0	9	9¼	0	20	3	4¾	19	365	15	0	18	5	9	4	11	4¾
3	9	0	16	0	2	0	0	9	7¼	0	19	3	2¾	20	383	0	0	19	5	0	4	16	3
3	8	0	15	9¾	1	27	0	9	5¼	0	18	3	0¾	21	404	5	0	20	4	3	5	1	0¾
3	7	0	15	7¼	1	26	0	9	3¼	0	17	2	10¾	22	423	10	0	21	3	6	5	5	10¼
3	6	0	15	5¼	1	25	0	9	1¼	0	16	2	8¾	23	442	15	0	22	2	9	5	10	8¼
3	5	0	15	3¼	1	24	0	8	11¼	0	15	2	6¾	24	462	0	0	23	2	0	5	15	6
3	4	0	15	1¼	1	23	0	8	9¼	0	14	2	4¾	25	481	5	0	24	1	3	6	0	3¾
3	3	0	14	11¼	1	22	0	8	7	0	13	2	2¾	26	500	10	0	25	0	6	6	5	1¼
3	2	0	14	9¼	1	21	0	8	4¾	0	12	2	0¾	27	519	15	0	25	19	9	6	9	11¼
3	1	0	14	7¼	1	20	0	8	2¾	0	11	1	10¾	28	539	0	0	26	19	0	6	14	9
3	0	0	14	5¼	1	19	0	8	0¾	0	10	1	8¾	29	558	5	0	27	18	3	6	19	6¾
2	27	0	14	3¼	1	18	0	7	10¾	0	9	1	6¾	30	577	10	0	28	17	6	7	4	4¼
2	26	0	14	1¼	1	17	0	7	8¾	0	8	1	4¾	31	596	15	0	29	16	9	7	9	2¼
2	25	0	13	11	1	16	0	7	6¾	0	7	1	2¾	32	616	0	0	30	16	0	7	14	0
2	24	0	13	9	1	15	0	7	4¾	0	6	1	0¾	33	635	5	0	31	15	3	7	18	9¾
2	23	0	13	7	1	14	0	7	2¾	0	5	0	10¼	34	654	10	0	32	14	6	8	3	7¼
2	22	0	13	5	1	13	0	7	0¾	0	4	0	8¼	35	673	15	0	33	13	9	8	8	5¼
2	21	0	13	3	1	12	0	6	10¾	0	3	0	6¼	36	693	0	0	34	13	0	8	13	3
2	20	0	13	1	1	11	0	6	8¾	0	2	0	4	37	712	5	0	35	12	3	8	18	0¾
2	19	0	12	11	1	10	0	6	6¾	0	1	0	2	38	731	10	0	36	11	6	9	2	10¼

£19 10s. per ton, 19s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£19 10s. per ton.			19s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 4s. 10½d.		
qr.	lb	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	0	19	4	2	18	0	12	11	1	9	6	5½	2	39	0	0	1	19	0	0	9	9
3	26	0	19	2	2	17	0	12	8½	1	8	6	3½	3	58	10	0	2	18	6	0	14	7½
3	25	0	19	0	2	16	0	12	6½	1	7	6	1½	4	78	0	0	3	18	0	0	19	6
3	24	0	18	10	2	15	0	12	4½	1	6	5	11½	5	97	10	0	4	17	6	1	4	4½
3	23	0	18	8	2	14	0	12	2½	1	5	5	9	6	117	0	0	5	17	0	1	9	3
3	22	0	18	5½	2	13	0	12	0	1	4	5	7	7	136	10	0	6	16	6	1	14	1½
3	21	0	18	3½	2	12	0	11	10	1	3	5	4½	8	156	0	0	7	16	0	1	19	0
3	20	0	18	1½	2	11	0	11	8	1	2	5	2½	9	175	10	0	8	15	6	2	3	10½
3	19	0	17	11½	2	10	0	11	6	1	1	5	0½	10	195	0	0	9	15	0	2	8	9
3	18	0	17	9	2	9	0	11	4	1	0	4	10½	11	214	10	0	10	14	6	2	13	7½
3	17	0	17	6½	2	8	0	11	1½	0	27	4	8½	12	234	0	0	11	14	0	2	18	6
3	16	0	17	4½	2	7	0	10	11½	0	26	4	6½	13	253	10	0	12	13	6	3	3	4½
3	15	0	17	2½	2	6	0	10	9½	0	25	4	4½	14	273	0	0	13	13	0	3	8	3
3	14	0	17	0½	2	5	0	10	7	0	24	4	2½	15	292	10	0	14	12	6	3	13	1½
3	13	0	16	10½	2	4	0	10	5	0	23	4	0½	16	312	0	0	15	12	0	3	18	0
3	12	0	16	8½	2	3	0	10	3	0	22	3	10½	17	331	10	0	16	11	6	4	2	10½
3	11	0	16	6½	2	2	0	10	1	0	21	3	8	18	351	0	0	17	11	0	4	7	9
3	10	0	16	4½	2	1	0	9	11	0	20	3	6	19	370	10	0	18	10	6	4	12	7½
3	9	0	16	2½	2	0	0	9	9	0	19	3	3½	20	390	0	0	19	10	0	4	17	6
3	8	0	16	0½	1	27	0	9	7	0	18	3	1½	21	409	10	0	20	9	6	5	2	4½
3	7	0	15	10½	1	26	0	9	5	0	17	2	11½	22	429	0	0	21	9	0	5	7	3
3	6	0	15	8½	1	25	0	9	3	0	16	2	9½	23	448	10	0	22	8	6	5	12	1½
3	5	0	15	6	1	24	0	9	1	0	15	2	7½	24	468	0	0	23	8	0	5	17	0
3	4	0	15	4	1	23	0	8	11	0	14	2	5½	25	487	10	0	24	7	6	6	1	10½
3	3	0	15	1½	1	22	0	8	8½	0	13	2	3½	26	507	0	0	25	7	0	6	6	9
3	2	0	14	11½	1	21	0	8	6½	0	12	2	1½	27	526	10	0	26	6	6	6	11	7½
3	1	0	14	9½	1	20	0	8	4½	0	11	1	11	28	546	0	0	27	6	0	6	16	6
3	0	0	14	7½	1	19	0	8	2	0	10	1	9	29	565	10	0	28	5	6	7	1	4½
2	27	0	14	5½	1	18	0	8	0	0	9	1	7	30	585	0	0	29	5	0	7	6	3
2	26	0	14	3½	1	17	0	7	9½	0	8	1	5	31	604	10	0	30	4	6	7	11	1½
2	25	0	14	1½	1	16	0	7	7½	0	7	1	3	32	624	0	0	31	4	0	7	16	0
2	24	0	13	11½	1	15	0	7	5½	0	6	1	1	33	643	10	0	32	3	6	8	0	10½
2	23	0	13	9½	1	14	0	7	3½	0	5	0	10½	34	663	0	0	33	3	0	8	5	9
2	22	0	13	7½	1	13	0	7	1½	0	4	0	8½	35	682	10	0	34	2	6	8	10	7½
2	21	0	13	5	1	12	0	6	11½	0	3	0	6½	36	702	0	0	35	2	0	8	15	6
2	20	0	13	3	1	11	0	6	9½	0	2	0	4	37	721	10	0	36	1	6	9	0	4½
2	19	0	13	1	1	10	0	6	7½	0	1	0	2	38	741	0	0	37	1	0	9	5	3

£19 15s. per ton, 19s. 9d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£19 15s. per ton.			19s. 9d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 4s. 11¼d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	0	19	7	2	18	0	13	0	1	9	6	6¾	2	39	10	0	1	19	6	0	9	10¼
3	26	0	19	5	2	17	0	12	10¼	1	8	6	4¾	3	59	5	0	2	19	3	0	14	9½
3	25	0	19	3	2	16	0	12	8½	1	7	6	2½	4	79	0	0	3	19	0	0	19	9
3	24	0	19	1	2	15	0	12	6½	1	6	6	0½	5	98	15	0	4	18	9	1	4	8½
3	23	0	18	10¾	2	14	0	12	4	1	5	5	10	6	118	10	0	5	18	6	1	9	7½
3	22	0	18	8¾	2	13	0	12	2	1	4	5	7¾	7	138	5	0	6	18	3	1	14	6½
3	21	0	18	6¾	2	12	0	12	0	1	3	5	5½	8	158	0	0	7	18	0	1	19	6
3	20	0	18	4¾	2	11	0	11	10	1	2	5	3½	9	177	15	0	8	17	9	2	4	5½
3	19	0	18	2	2	10	0	11	7¾	1	1	5	1½	10	197	10	0	9	17	6	2	9	4½
3	18	0	18	0	2	9	0	11	5½	1	0	4	11½	11	217	5	0	10	17	3	2	14	3½
3	17	0	17	9¾	2	8	0	11	3½	0	27	4	9½	12	237	0	0	11	17	0	2	19	3
3	16	0	17	7¾	2	7	0	11	1	0	26	4	7	13	256	15	0	12	16	9	3	4	2½
3	15	0	17	5¾	2	6	0	10	11	0	25	4	5	14	276	10	0	13	16	6	3	9	1½
3	14	0	17	3¾	2	5	0	10	8¾	0	24	4	2¾	15	296	5	0	14	16	3	3	14	0¾
3	13	0	17	1¾	2	4	0	10	6¾	0	23	4	0¾	16	316	0	0	15	16	0	3	19	0
3	12	0	16	11¾	2	3	0	10	4¾	0	22	3	10¾	17	335	15	0	16	15	9	4	3	11½
3	11	0	16	9	2	2	0	10	2¾	0	21	3	8	18	355	10	0	17	15	6	4	8	10½
3	10	0	16	7	2	1	0	10	0¾	0	20	3	6	19	375	5	0	18	15	3	4	13	9¾
3	9	0	16	4¾	2	0	0	9	10¾	0	19	3	3¾	20	395	0	0	19	15	0	4	18	9
3	8	0	16	2¾	1	27	0	9	8¾	0	18	3	1¾	21	414	15	0	20	14	9	5	3	8½
3	7	0	16	0¾	1	26	0	9	6¾	0	17	2	11¾	22	434	10	0	21	14	6	5	8	7½
3	6	0	15	10¾	1	25	0	9	4¾	0	16	2	9¾	23	454	5	0	22	14	3	5	13	6¾
3	5	0	15	8	1	24	0	9	2	0	15	2	7¾	24	474	0	0	23	14	0	5	18	6
3	4	0	15	5¾	1	23	0	9	0	0	14	2	5¾	25	493	15	0	24	13	9	6	3	5½
3	3	0	15	3¾	1	22	0	8	9¾	0	13	2	3¾	26	513	10	0	25	13	6	6	8	4½
3	2	0	15	1¾	1	21	0	8	7¾	0	12	2	1¾	27	533	5	0	26	13	3	6	13	3¾
3	1	0	14	11¾	1	20	0	8	5¾	0	11	1	11¾	28	553	0	0	27	13	0	6	18	3
3	0	0	14	9¾	1	19	0	8	3¾	0	10	1	9¾	29	572	15	0	28	12	9	7	3	2½
2	27	0	14	7¾	1	18	0	8	1	0	9	1	7¾	30	592	10	0	29	12	6	7	8	1½
2	26	0	14	5¾	1	17	0	7	11	0	8	1	5¾	31	612	5	0	30	12	3	7	13	0¾
2	25	0	14	3¾	1	16	0	7	9	0	7	1	3¾	32	632	0	0	31	12	0	7	18	0
2	24	0	14	1¾	1	15	0	7	7	0	6	1	1¾	33	651	15	0	32	11	9	8	2	11½
2	23	0	13	11¾	1	14	0	7	5	0	5	0	11	34	671	10	0	33	11	6	8	7	10½
2	22	0	13	9¾	1	13	0	7	3	0	4	0	8¾	35	691	5	0	34	11	3	8	12	9¾
2	21	0	13	7¾	1	12	0	7	1	0	3	0	6¾	36	711	0	0	35	11	0	8	17	9
2	20	0	13	5	1	11	0	6	11	0	2	0	4¾	37	730	15	0	36	10	9	9	2	8½
2	19	0	13	3	1	10	0	6	8¾	0	1	0	2	38	750	10	0	37	10	6	9	7	7½

£20 per ton, 20s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£20 per ton.			20s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, average 5s.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	0	19	10	2	18	0	13	2	1	9	6	7	2	40	0	0	2	0	0	0	10	0
3	26	0	19	7½	2	17	0	13	0	1	8	6	4½	3	60	0	0	3	0	0	0	15	0
3	25	0	19	5½	2	16	0	12	10	1	7	6	2½	4	80	0	0	4	0	0	1	0	0
3	24	0	19	3½	2	15	0	12	8	1	6	6	0½	5	100	0	0	5	0	0	1	5	0
3	23	0	19	1½	2	14	0	12	6	1	5	5	10	6	120	0	0	6	0	0	1	10	0
3	22	0	18	11	2	13	0	12	3½	1	4	5	8	7	140	0	0	7	0	0	1	15	0
3	21	0	18	9	2	12	0	12	1½	1	3	5	6	8	160	0	0	8	0	0	2	0	0
3	20	0	18	6¾	2	11	0	11	11½	1	2	5	4	9	180	0	0	9	0	0	2	5	0
3	19	0	18	4½	2	10	0	11	9	1	1	5	2	10	200	0	0	10	0	0	2	10	0
3	18	0	18	2¼	2	9	0	11	7	1	0	5	0	11	220	0	0	11	0	0	2	15	0
3	17	0	18	0	2	8	0	11	5	0	27	4	9¾	12	240	0	0	12	0	0	3	0	0
3	16	0	17	10	2	7	0	11	3	0	26	4	7½	13	260	0	0	13	0	0	3	5	0
3	15	0	17	8	2	6	0	11	1	0	25	4	5¼	14	280	0	0	14	0	0	3	10	0
3	14	0	17	6	2	5	0	10	10¾	0	24	4	3	15	300	0	0	15	0	0	3	15	0
3	13	0	17	3¾	2	4	0	10	8½	0	23	4	1	16	320	0	0	16	0	0	4	0	0
3	12	0	17	1½	2	3	0	10	6¼	0	22	3	11	17	340	0	0	17	0	0	4	5	0
3	11	0	16	11½	2	2	0	10	4	0	21	3	8¾	18	360	0	0	18	0	0	4	10	0
3	10	0	16	9	2	1	0	10	2	0	20	3	6½	19	380	0	0	19	0	0	4	15	0
3	9	0	16	7	2	0	0	10	0	0	19	3	4¼	20	400	0	0	20	0	0	5	0	0
3	8	0	16	4¾	1	27	0	9	10	0	18	3	2	21	420	0	0	21	0	0	5	5	0
3	7	0	16	2½	1	26	0	9	7¾	0	17	3	0	22	440	0	0	22	0	0	5	10	0
3	6	0	16	0¼	1	25	0	9	5½	0	16	2	10	23	460	0	0	23	0	0	5	15	0
3	5	0	15	10	1	24	0	9	3¼	0	15	2	8	24	480	0	0	24	0	0	6	0	0
3	4	0	15	8	1	23	0	9	1	0	14	2	6	25	500	0	0	25	0	0	6	5	0
3	3	0	15	6	1	22	0	8	11	0	13	2	4	26	520	0	0	26	0	0	6	10	0
3	2	0	15	4	1	21	0	8	8¾	0	12	2	2	27	540	0	0	27	0	0	6	15	0
3	1	0	15	2	1	20	0	8	6½	0	11	2	0	28	560	0	0	28	0	0	7	0	0
3	0	0	15	0	1	19	0	8	4¼	0	10	1	9¾	29	580	0	0	29	0	0	7	5	0
2	27	0	14	10	1	18	0	8	2	0	9	1	7½	30	600	0	0	30	0	0	7	10	0
2	26	0	14	7¾	1	17	0	8	0	0	8	1	5¼	31	620	0	0	31	0	0	7	15	0
2	25	0	14	5½	1	16	0	7	10	0	7	1	3¼	32	640	0	0	32	0	0	8	0	0
2	24	0	14	3½	1	15	0	7	8	0	6	1	1¼	33	660	0	0	34	0	0	8	5	0
2	23	0	14	1	1	14	0	7	6	0	5	0	11	34	680	0	0	35	0	0	8	10	0
2	22	0	13	11	1	13	0	7	3¾	0	4	0	8¾	35	700	0	0	36	0	0	8	15	0
2	21	0	13	8¾	1	12	0	7	1¾	0	3	0	6¼	36	720	0	0	37	0	0	9	0	0
2	20	0	13	6½	1	11	0	6	11¾	0	2	0	4¼	37	740	0	0	38	0	0	9	5	0
2	19	0	13	4¼	1	10	0	6	9	0	1	0	2	38	760	0	0	39	0	0	9	10	0

£20 10s. per ton, £1 0s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£20 10s. per ton.			£1 0s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day ¼ yd., aver. 5s. 1½d.		
qr.	lb.	£	s.	d.	qr.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	0	4	2	18	0	13	6¼	1	9	6	9	2	41	0	0	2	1	0	0	10	3
3	26	1	0	1⅔	2	17	0	13	4	1	8	6	6⅔	3	61	10	0	3	1	6	0	15	4½
3	25	0	19	11½	2	16	0	13	1⅔	1	7	6	4½	4	82	0	0	4	2	0	1	0	6
3	24	0	19	9¼	2	15	0	12	11⅔	1	6	6	2¼	5	102	10	0	5	2	6	1	5	7½
3	23	0	19	7	2	14	0	12	9⅔	1	5	6	0	6	123	0	0	6	3	0	1	10	9
3	22	0	19	5	2	13	0	12	7½	1	4	5	9⅔	7	143	10	0	7	3	6	1	15	10½
3	21	0	19	2⅔	2	12	0	12	5½	1	3	5	7½	8	164	0	0	8	4	0	2	1	0
3	20	0	19	0¼	2	11	0	12	3	1	2	5	5½	9	184	10	0	9	4	6	2	6	1½
3	19	0	18	10¼	2	10	0	12	1	1	1	5	3½	10	205	0	0	10	5	0	2	11	3
3	18	0	18	8	2	9	0	11	10⅔	1	0	5	1½	11	225	10	0	11	5	6	2	16	4½
3	17	0	18	5⅔	2	8	0	11	8½	0	27	4	11½	12	246	0	0	12	6	0	3	1	6
3	16	0	18	3½	2	7	0	11	6¼	0	26	4	9	13	266	10	0	13	6	6	3	6	7½
3	15	0	18	1⅓	2	6	0	11	4	0	25	4	6⅔	14	287	0	0	14	7	0	3	11	9
3	14	0	17	11¼	2	5	0	11	1⅔	0	24	4	4½	15	307	10	0	15	7	6	3	16	10½
3	13	0	17	9	2	4	0	10	11⅔	0	23	4	2¼	16	328	0	0	16	8	0	4	2	0
3	12	0	17	7	2	3	0	10	9¼	0	22	4	0	17	348	10	0	17	8	6	4	7	1½
3	11	0	17	4⅔	2	2	0	10	7	0	21	3	9⅔	18	369	0	0	18	9	0	4	12	3
3	10	0	17	2½	2	1	0	10	5	0	20	3	7½	19	389	10	0	19	9	6	4	17	4½
3	9	0	17	0¼	2	0	0	10	3	0	19	3	5¼	20	410	0	0	20	10	0	5	2	6
3	8	0	16	10	1	27	0	10	0⅔	0	18	3	3	21	430	10	0	21	10	6	5	7	7½
3	7	0	16	7⅔	1	26	0	9	10½	0	17	3	1	22	451	0	0	22	11	0	5	12	9
3	6	0	16	5¼	1	25	0	9	8¼	0	16	2	10⅔	23	471	10	0	23	11	6	5	17	10½
3	5	0	16	3¼	1	24	0	9	6	0	15	2	8⅔	24	492	0	0	24	12	0	6	3	0
3	4	0	16	1	1	23	0	9	3¾	0	14	2	6⅓	25	512	10	0	25	12	6	6	8	1½
3	3	0	15	10⅔	1	22	0	9	1½	0	13	2	4⅓	26	533	0	0	26	13	0	6	13	3
3	2	0	15	8½	1	21	0	8	11¼	0	12	2	2¼	27	553	10	0	27	13	6	6	18	4½
3	1	0	15	6⅓	1	20	0	8	9	0	11	2	0	28	574	0	0	28	14	0	7	3	6
3	0	0	15	4¼	1	19	0	8	6¾	0	10	1	10	29	594	10	0	29	14	6	7	8	7½
2	27	0	15	2¼	1	18	0	8	4½	0	9	1	7⅓	30	615	0	0	30	15	0	7	13	9
2	26	0	15	0	1	17	0	8	2⅓	0	8	1	5½	31	635	10	0	31	15	6	7	18	10½
2	25	0	14	9⅔	1	16	0	8	0¼	0	7	1	3½	32	656	0	0	32	16	0	8	4	0
2	24	0	14	7½	1	15	0	7	10½	0	6	1	1½	33	676	10	0	33	16	6	8	9	1½
2	23	0	14	5½	1	14	0	7	8½	0	5	0	11	34	697	0	0	34	17	0	8	14	3
2	22	0	14	3	1	13	0	7	6	0	4	0	8⅔	35	717	10	0	35	17	6	8	19	4½
2	21	0	14	1	1	12	0	7	2⅔	0	3	0	6½	36	738	0	0	36	18	0	9	4	6
2	20	0	13	10⅔	1	11	0	7	1½	0	2	0	4½	37	758	10	0	37	18	6	9	9	7½
2	19	0	13	8½	1	10	0	6	11¼	0	1	0	2	38	779	0	0	38	19	0	9	14	9

£21 per ton, £1 1s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£21 per ton.			£1 1s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yd., aver. 5s. 3d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	0	9¾	2	18	0	13	10½	1	9	6	11½	2	42	0	0	2	2	0	0	10	6
3	26	1	0	7½	2	17	0	13	8¼	1	8	6	9	3	63	0	0	3	3	0	0	15	9
3	25	1	0	5¼	2	16	0	13	6	1	7	6	6¾	4	84	0	0	4	4	0	1	1	0
3	24	1	0	3	2	15	0	13	3¾	1	6	6	4½	5	105	0	0	5	5	0	1	6	3
3	23	1	0	0¾	2	14	0	13	1½	1	5	6	2¼	6	126	0	0	6	6	0	1	11	6
3	22	0	19	10¼	2	13	0	12	11¼	1	4	6	0	7	147	0	0	7	7	0	1	16	9
3	21	0	19	8¼	2	12	0	12	9	1	3	5	9¾	8	168	0	0	8	8	0	2	2	0
3	20	0	19	6	2	11	0	12	6¾	1	2	5	7½	9	189	0	0	9	9	0	2	7	3
3	19	0	19	3¾	2	10	0	12	4½	1	1	5	5¼	10	210	0	0	10	10	0	2	12	6
3	18	0	19	1¾	2	9	0	12	2¼	1	0	5	3	11	231	0	0	11	11	0	2	17	9
3	17	0	18	11¼	2	8	0	12	0	0	27	5	0¾	12	252	0	0	12	12	0	3	3	0
3	16	0	18	9	2	7	0	11	9¾	0	26	4	10½	13	273	0	0	13	13	0	3	8	3
3	15	0	18	6¾	2	6	0	11	7½	0	25	4	8¼	14	294	0	0	14	14	0	3	13	6
3	14	0	18	4½	2	5	0	11	5¼	0	24	4	6	15	315	0	0	15	15	0	3	18	9
3	13	0	18	2¼	2	4	0	11	3	0	23	4	3¾	16	336	0	0	16	16	0	4	4	0
3	12	0	18	0	2	3	0	11	0¾	0	22	4	1½	17	357	0	0	17	17	0	4	9	3
3	11	0	17	9¾	2	2	0	10	10½	0	21	3	11¼	18	378	0	0	18	18	0	4	14	6
3	10	0	17	7¼	2	1	0	10	8¼	0	20	3	9	19	399	0	0	19	19	0	4	19	9
3	9	0	17	5¼	2	0	0	10	6	0	19	3	6¾	20	420	0	0	21	0	0	5	5	0
3	8	0	17	3	1	27	0	10	3¾	0	18	3	4½	21	441	0	0	22	1	0	5	10	3
3	7	0	17	0¾	1	26	0	10	1½	0	17	3	2¼	22	462	0	0	23	2	0	5	15	6
3	6	0	16	10¼	1	25	0	9	11¼	0	16	3	0	23	483	0	0	24	3	0	6	0	9
3	5	0	16	8¼	1	24	0	9	9	0	15	2	9¾	24	504	0	0	25	4	0	6	6	0
3	4	0	16	6	1	23	0	9	6¾	0	14	2	7½	25	525	0	0	26	5	0	6	11	3
3	3	0	16	3¾	1	22	0	9	4½	0	13	2	5¼	26	546	0	0	27	6	0	6	16	6
3	2	0	16	1¾	1	21	0	9	2¼	0	12	2	3	27	567	0	0	28	7	0	7	1	9
2	1	0	15	11¼	1	20	0	9	0	0	11	2	0¾	28	588	0	0	29	8	0	7	7	0
2	0	0	15	9	1	19	0	8	9¾	0	10	1	10½	29	609	0	0	30	9	0	7	12	3
2	27	0	15	6¾	1	18	0	8	7½	0	9	1	8¼	30	630	0	0	31	10	0	7	17	6
2	26	0	15	4½	1	17	0	8	5¼	0	8	1	6	31	651	0	0	32	11	0	8	2	9
2	25	0	15	2¼	1	16	0	8	3	0	7	1	3¾	32	672	0	0	33	12	0	8	8	0
2	24	0	15	0	1	15	0	8	0¾	0	6	1	1½	33	693	0	0	34	13	0	8	13	3
2	23	0	14	9¾	1	14	0	7	10½	0	5	0	11¼	34	714	0	0	35	14	0	8	18	6
2	22	0	14	7¼	1	13	0	7	8¼	0	4	0	9	35	735	0	0	36	15	0	9	3	9
2	21	0	14	5¼	1	12	0	7	6	0	3	0	6¾	36	756	0	0	37	16	0	9	9	0
2	20	0	14	3	1	11	0	7	3¾	0	2	0	4½	37	777	0	0	38	17	0	9	14	3
2	19	0	14	0¾	1	10	0	7	1½	0	1	0	2¼	38	798	0	0	39	18	0	9	19	6

Note—2¼*d.* per lb.

£21 10s. per ton, £1 1s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£21 10s. per ton.			£1 1s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, aver. 6s. 4½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	1	3¾	2	18	0	14	2¼	1	9	7	1	2	43	0	0	2	3	0	0	10	9
3	26	1	1	1½	2	17	0	14	0	1	8	6	10¾	3	64	10	0	3	4	6	0	16	1½
3	25	1	0	11¼	2	16	0	13	9¾	1	7	6	8½	4	86	0	0	4	6	0	1	1	6
3	24	1	0	9	2	15	0	13	7½	1	6	6	6¼	5	107	10	0	5	7	6	1	6	10½
3	23	1	0	6¾	2	14	0	13	5¼	1	5	6	4	6	129	0	0	6	9	0	1	12	3
3	22	1	0	4½	2	13	0	13	3	1	4	6	1¾	7	150	10	0	7	10	6	1	17	7½
3	21	1	0	2¼	2	12	0	13	0¾	1	3	5	11½	8	172	0	0	8	12	0	2	3	0
3	20	1	0	0	2	11	0	12	10¼	1	2	5	9	9	193	10	0	9	13	6	2	8	4½
3	19	0	19	9¼	2	10	0	12	8¼	1	1	5	6¾	10	215	0	0	10	15	0	2	13	9
3	18	0	19	7¼	2	9	0	12	6	1	0	5	4½	11	236	10	0	11	16	6	2	19	1½
3	17	0	19	5	2	8	0	12	3¾	0	27	5	2	12	258	0	0	12	18	0	3	4	6
3	16	0	19	2¾	2	7	0	12	1¼	0	26	4	11¾	13	279	10	0	13	19	6	3	9	10½
3	15	0	19	0¼	2	6	0	11	11	0	25	4	9¼	14	301	0	0	15	1	0	3	15	3
3	14	0	18	9¾	2	5	0	11	8¾	0	24	4	7¼	15	322	10	0	16	2	6	4	0	7½
3	13	0	18	7½	2	4	0	11	6¼	0	23	4	5	16	344	0	0	17	4	0	4	6	0
3	12	0	18	5¼	2	3	0	11	3¾	0	22	4	2¾	17	365	10	0	18	5	6	4	11	4½
3	11	0	18	3	2	2	0	11	1¼	0	21	4	0¼	18	387	0	0	19	7	0	4	16	9
3	10	0	18	0¾	2	1	0	10	11¼	0	20	3	10¼	19	408	10	0	20	8	6	5	2	1½
3	9	0	17	10¼	2	0	0	10	9	0	19	3	8	20	430	0	0	21	10	0	5	7	6
3	8	0	17	8	1	27	0	10	6¾	0	18	3	5¾	21	451	10	0	22	11	6	5	12	10½
3	7	0	17	5½	1	26	0	10	4¼	0	17	3	3¼	22	473	0	0	23	13	0	5	18	3
3	6	0	17	3¼	1	25	0	10	2	0	16	3	1	23	494	10	0	24	14	6	6	3	7½
3	5	0	17	1	1	24	0	9	11½	0	15	2	10¾	24	516	0	0	25	16	0	6	9	0
3	4	0	16	10¾	1	23	0	9	9¼	0	14	2	8¼	25	537	10	0	26	17	6	6	14	4½
3	3	0	16	8½	1	22	0	9	7	0	13	2	6	26	559	0	0	27	19	0	6	19	9
3	2	0	16	6¼	1	21	0	9	4¾	0	12	2	3¾	27	580	10	0	29	0	6	7	5	1½
3	1	0	16	4	1	20	0	9	2½	0	11	2	1	28	602	0	0	30	2	0	7	10	6
3	0	0	16	1¾	1	19	0	9	0¼	0	10	1	10¾	29	623	10	0	31	3	6	7	15	10½
2	27	0	15	11	1	18	0	8	10	0	9	1	8¼	30	645	0	0	32	5	0	8	1	3
2	26	0	15	8¾	1	17	0	8	7¾	0	8	1	6	31	666	10	0	33	6	6	8	6	7½
2	25	0	15	6½	1	16	0	8	5¼	0	7	1	3¾	32	688	0	0	34	8	0	8	12	0
2	24	0	15	4	1	15	0	8	3	0	6	1	1¾	33	709	10	0	35	9	6	8	17	4½
2	23	0	15	1¾	1	14	0	8	0¾	0	5	0	11½	34	731	0	0	36	11	0	9	2	9
2	22	0	14	11¼	1	13	0	7	10½	0	4	0	9	35	752	10	0	37	12	6	9	8	1½
2	21	0	14	9	1	12	0	7	8	0	3	0	6¾	36	774	0	0	38	14	0	9	13	6
2	20	0	14	6¾	1	11	0	7	5¾	0	2	0	4½	37	795	10	0	39	15	6	9	18	10½
2	19	0	14	4½	1	10	0	7	3½	0	1	0	2¼	38	817	0	0	40	17	0	10	4	3

£22 per ton, £1 2s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£22 per ton.			£1 2s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., aver. 5s. 6d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	1	9¾	2	18	0	14	6¾	1	9	7	3½	2	44	0	0	2	4	0	0	11	0
3	26	1	1	7½	2	17	0	14	4½	1	8	7	1	3	66	0	0	3	6	0	0	16	6
3	25	1	1	5¼	2	16	0	14	2	1	7	6	10½	4	88	0	0	4	8	0	1	2	0
3	24	1	1	3	2	15	0	13	11½	1	6	6	8¼	5	110	0	0	5	10	0	1	7	6
3	23	1	1	0¾	2	14	0	13	9	1	5	6	5¾	6	132	0	0	6	12	0	1	13	0
3	22	1	0	10	2	13	0	13	6¾	1	4	6	3½	7	154	0	0	7	14	0	1	18	6
3	21	1	0	7¾	2	12	0	13	4¼	1	3	6	1¼	8	176	0	0	8	16	0	2	4	0
3	20	1	0	5¼	2	11	0	13	2	1	2	5	10¼	9	198	0	0	9	18	0	2	9	6
3	19	1	0	3	2	10	0	12	11½	1	1	5	8¼	10	220	0	0	11	0	0	2	15	0
3	18	1	0	0¾	2	9	0	12	9	1	0	5	6	11	242	0	0	12	2	0	3	0	6
3	17	0	19	10	2	8	0	12	6¾	0	27	5	3½	12	264	0	0	13	4	0	3	6	0
3	16	0	19	7¾	2	7	0	12	4½	0	26	5	1	13	286	0	0	14	6	0	3	11	6
3	15	0	19	5¼	2	6	0	12	2	0	25	4	10¾	14	308	0	0	15	8	0	3	17	0
3	14	0	19	3	2	5	0	11	11¾	0	24	4	8¼	15	330	0	0	16	10	0	4	2	6
3	13	0	19	0¾	2	4	0	11	9½	0	23	4	6	16	352	0	0	17	12	0	4	8	0
3	12	0	18	10¼	2	3	0	11	7	0	22	4	3¾	17	374	0	0	18	14	0	4	13	6
3	11	0	18	8	2	2	0	11	4¾	0	21	4	1¼	18	396	0	0	19	16	0	4	19	0
3	10	0	18	5¾	2	1	0	11	2¼	0	20	3	11	19	418	0	0	20	18	0	5	4	6
3	9	0	18	3¼	2	0	0	11	0	0	19	3	8¾	20	440	0	0	22	0	0	5	10	0
3	8	0	18	1	1	27	0	10	9¾	0	18	3	6¼	21	462	0	0	23	2	0	5	15	6
3	7	0	17	10¾	1	26	0	10	7¼	0	17	3	4	22	484	0	0	24	4	0	6	1	0
3	6	0	17	8¼	1	25	0	10	5	0	16	3	1¾	23	506	0	0	25	6	0	6	6	6
3	5	0	17	6¼	1	24	0	10	2¾	0	15	2	11½	24	528	0	0	26	8	0	6	12	0
3	4	0	17	4	1	23	0	10	0¼	0	14	2	9	25	550	0	0	27	10	0	6	17	6
3	3	0	17	1¾	1	22	0	9	10	0	13	2	6¾	26	572	0	0	28	12	0	7	3	0
3	2	0	16	11	1	21	0	9	7¾	0	12	2	4¼	27	594	0	0	29	14	0	7	8	6
2	1	0	16	8¼	1	20	0	9	5¼	0	11	2	2	28	616	0	0	30	16	0	7	14	0
2	0	0	16	6	1	19	0	9	3	0	10	1	11½	29	638	0	0	31	18	0	7	19	6
2	27	0	16	3¾	1	18	0	9	0¾	0	9	1	9	30	660	0	0	33	0	0	8	5	0
2	26	0	16	1¼	1	17	0	8	10¼	0	8	1	6¼	31	682	0	0	34	2	0	8	10	6
2	25	0	15	11	1	16	0	8	8	0	7	1	4¼	32	704	0	0	35	4	0	8	16	0
2	24	0	15	8¾	1	15	0	8	5¼	0	6	1	2	33	726	0	0	36	6	0	9	1	6
2	23	0	15	6¼	1	14	0	8	3	0	5	0	11½	34	748	0	0	37	8	0	9	7	0
2	22	0	15	4	1	13	0	8	0¾	0	4	0	9	35	770	0	0	38	10	0	9	12	6
2	21	0	15	1¾	1	12	0	7	10¼	0	3	0	6¾	36	792	0	0	39	12	0	9	18	0
2	20	0	14	11¼	1	11	0	7	8	0	2	0	4¼	37	814	0	0	40	14	0	10	3	6
2	19	0	14	9	1	10	0	7	5¾	0	1	0	2¼	38	836	0	0	41	16	0	10	9	0

£22 10s. per ton, £1 2s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£22 10s. per ton.			£1 2s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day ¼ yd., aver. 5s. 7½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	2	3¾	2	18	0	14	10	1	9	7	5½	2	45	0	0	2	5	0	0	11	3
3	26	1	2	1½	2	17	0	14	7¾	1	8	7	3	3	67	10	0	3	7	6	0	16	10½
3	25	1	1	11¼	2	16	0	14	5½	1	7	7	0¾	4	90	0	0	4	10	0	1	2	6
3	24	1	1	9	2	15	0	14	3	1	6	6	10½	5	112	10	0	5	12	6	1	8	1½
3	23	1	1	6¾	2	14	0	14	0¾	1	5	6	8	6	135	0	0	6	15	0	1	13	9
3	22	1	1	4½	2	13	0	13	10¼	1	4	6	5½	7	157	10	0	7	17	6	1	19	4½
3	21	1	1	2	2	12	0	13	8	1	3	6	3	8	180	0	0	9	0	0	2	5	0
3	20	1	0	11¼	2	11	0	13	5½	1	2	6	0½	9	202	10	0	10	2	6	2	10	7½
3	19	1	0	9	2	10	0	13	3	1	1	5	10	10	225	0	0	11	5	0	2	16	3
3	18	1	0	6¾	2	9	0	13	0¾	1	0	5	7½	11	247	10	0	12	7	6	3	1	10½
3	17	1	9	4	2	8	0	12	10½	0	27	5	5	12	270	0	0	13	10	0	3	7	6
3	16	1	0	1½	2	7	0	12	8	0	26	5	2½	13	292	10	0	14	12	6	3	13	1½
3	15	0	19	11	2	6	0	12	5½	0	25	5	0	14	315	0	0	15	15	0	3	18	9
3	14	0	19	8¾	2	5	0	12	3	0	24	4	9¾	15	337	10	0	16	17	6	4	4	4½
3	13	0	19	6	2	4	0	12	0¾	0	23	4	7½	16	360	0	0	18	0	0	4	10	0
3	12	0	19	3½	2	3	0	11	10¼	0	22	4	5	17	382	10	0	19	2	6	4	15	7½
3	11	0	19	1	2	2	0	11	8	0	21	4	2½	18	405	0	0	20	5	0	5	1	3
3	10	0	18	10¾	2	1	0	11	5½	0	20	4	0	19	427	10	0	21	7	6	5	6	10½
3	9	0	18	8	2	0	0	11	3	0	19	3	9¾	20	450	0	0	22	10	0	5	12	6
3	8	0	18	5¼	1	27	0	11	0¾	0	18	3	7½	21	472	10	0	23	12	6	5	18	1½
3	7	0	18	3	1	26	0	10	10½	0	17	3	5	22	495	0	0	24	15	0	6	3	9
3	6	0	18	0¼	1	25	0	10	8	0	16	3	2½	23	517	10	0	25	17	6	6	9	4½
3	5	0	17	10	1	24	0	10	5½	0	15	3	0	24	540	0	0	27	0	0	6	15	0
3	4	0	17	7¾	1	23	0	10	3	0	14	2	9¾	25	562	10	0	28	2	6	7	0	7½
3	3	0	17	5¼	1	22	0	10	0¾	0	13	2	7½	26	585	0	0	29	5	0	7	6	3
3	2	9	17	3	1	21	0	9	10½	0	12	2	5	27	607	10	0	30	7	6	7	11	10½
3	1	0	17	0¾	1	20	0	9	8	0	11	2	2½	28	630	0	0	31	10	0	7	17	6
3	0	0	16	10¼	1	19	0	9	5½	0	10	2	0	29	652	10	0	32	12	6	8	3	1½
2	27	0	16	8	1	18	0	9	3	0	9	1	9½	30	675	0	0	33	15	0	8	8	9
2	26	0	16	5¾	1	17	0	9	0¾	0	8	1	7¼	31	697	10	0	34	17	6	8	14	4½
2	25	0	16	3	1	16	0	8	10¼	0	7	1	4½	32	720	0	0	36	0	0	9	0	0
2	24	0	16	0¾	1	15	0	8	7¾	0	6	1	2¼	33	742	10	0	37	2	6	9	5	7½
2	23	0	15	10¼	1	14	0	8	5½	0	5	1	0	34	765	0	0	38	5	0	9	11	3
2	22	0	15	8	1	13	0	8	3	0	4	0	9½	35	787	10	0	39	7	6	9	16	10½
2	21	0	15	5¾	1	12	0	8	0¼	0	3	0	7	36	810	0	0	40	10	0	10	2	6
2	20	0	15	3	1	11	0	7	10	0	2	0	4¼	37	832	10	0	41	12	6	10	8	1½
2	19	0	15	0¼	1	10	0	7	7¾	0	1	0	2¼	38	855	0	0	42	15	0	10	13	9

£23 per ton, £1 3s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£23 per ton.			£1 3s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 5s. 9d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	2	9¾	2	18	0	15	2	1	9	7	7	2	46	0	0	2	6	0	0	11	6
3	26	1	2	7½	2	17	0	14	11½	1	8	7	4½	3	69	0	0	3	9	0	0	17	3
3	25	1	2	5	2	16	0	14	9	1	7	7	2	4	92	0	0	4	12	0	1	3	0
3	24	1	2	2½	2	15	0	14	6	1	6	6	11½	5	115	0	0	5	15	0	1	8	9
3	23	1	2	0	2	14	0	14	4½	1	5	6	9	6	138	0	0	6	18	0	1	14	6
3	22	1	1	9½	2	13	0	14	2	1	4	6	6½	7	161	0	0	8	1	0	2	0	3
3	21	1	1	7	2	12	0	13	11½	1	3	6	4	8	184	0	0	9	4	0	2	6	0
3	20	1	1	4½	2	11	0	13	9	1	2	6	1½	9	207	0	0	10	7	0	2	11	9
3	19	1	1	2	2	10	0	13	6½	1	1	5	11½	10	230	0	0	11	10	0	2	17	6
3	18	1	0	11½	2	9	0	13	4	1	0	5	9	11	253	0	0	12	13	0	3	3	3
3	17	1	0	9	2	8	0	13	1½	0	27	5	6½	12	276	0	0	13	16	0	3	9	0
3	16	1	0	6½	2	7	0	12	11	0	26	5	4	13	299	0	0	14	19	0	3	14	9
3	15	1	0	4	2	6	0	12	8½	0	25	5	1½	14	322	0	0	16	2	0	4	0	6
3	14	1	0	1½	2	5	0	12	6	0	24	4	11	15	345	0	0	17	5	0	4	6	3
3	13	0	19	11	2	4	0	12	3½	0	23	4	8½	16	368	0	0	18	8	0	4	12	0
3	12	0	19	8½	2	3	0	12	1	0	22	4	6	17	391	0	0	19	11	0	4	17	9
3	11	0	19	6	2	2	0	11	10½	0	21	4	3½	18	414	0	0	20	14	0	5	3	6
3	10	0	19	3½	2	1	0	11	8½	0	20	4	1	19	437	0	0	21	17	0	5	9	3
3	9	0	19	1	2	0	0	11	6	0	19	3	10½	20	460	0	0	23	0	0	5	15	0
3	8	0	18	10½	1	27	0	11	3½	0	18	3	8	21	483	0	0	24	3	0	6	0	9
3	7	0	18	8½	1	26	0	11	1	0	17	3	5½	22	506	0	0	25	6	0	6	6	6
3	6	0	18	6	1	25	0	10	10½	0	16	3	3½	23	529	0	0	26	9	0	6	12	3
3	5	0	18	3½	1	24	0	10	8	0	15	3	1	24	552	0	0	27	12	0	6	18	0
3	4	0	18	1	1	23	0	10	5½	0	14	2	10½	25	575	0	0	28	15	0	7	3	9
3	3	0	17	10½	1	22	0	10	3	0	13	2	8	26	598	0	0	29	18	0	7	9	6
3	2	0	17	8	1	21	0	10	0½	0	12	2	5½	27	621	0	0	31	1	0	7	15	3
3	1	0	17	5½	1	20	0	9	10	0	11	2	3	28	644	0	0	32	4	0	8	1	0
3	0	0	17	3	1	19	0	9	7½	0	10	2	0½	29	667	0	0	33	7	0	8	6	9
2	27	0	17	0½	1	18	0	9	5	0	9	1	10	30	690	0	0	34	10	0	8	12	6
2	26	0	16	10	1	17	0	9	2½	0	8	1	7½	31	713	0	0	35	13	0	8	18	3
2	25	0	16	7½	1	16	0	9	0	0	7	1	5	32	736	0	0	36	16	0	9	4	0
2	24	0	16	5	1	15	0	8	9½	0	6	1	2½	33	759	0	0	37	19	0	9	9	9
2	23	0	16	2½	1	14	0	8	7½	0	5	1	0	34	782	0	0	39	2	0	9	15	6
2	22	0	16	0	1	13	0	8	5	0	4	0	9½	35	805	0	0	40	5	0	10	1	3
2	21	0	15	9½	1	12	0	8	2½	0	3	0	7	36	828	0	0	41	8	0	10	7	0
2	20	0	15	7	1	11	0	8	0	0	2	0	4½	37	851	0	0	42	11	0	10	12	9
2	19	0	15	4½	1	10	0	7	9½	0	1	0	2½	38	874	0	0	43	14	0	10	18	6

£23 6s. 8d. per ton, £1 3s. 4d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£23 6s. 8d. per ton.			£1 3s. 4d. per cwt. bush, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 5s. 10d.		
qr.	lb.	£	s.	d.	qr.	lb	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	3	1½	2	18	0	15	5	1	9	7	8½	2	46	13	4	2	6	8	0	11	8
3	26	1	2	11	2	17	0	15	2½	1	8	7	6	3	70	0	0	3	10	0	0	17	6
3	25	1	2	8½	2	16	0	15	0	1	7	7	3½	4	93	6	8	4	13	4	1	3	4
3	24	1	2	6	2	15	0	14	9½	1	6	7	1	5	116	13	4	5	16	8	1	9	2
3	23	1	2	3½	2	14	0	14	7	1	5	6	10½	6	140	0	0	7	0	0	1	15	0
3	22	1	2	1	2	13	0	14	4½	1	4	6	8	7	163	6	8	8	3	4	2	0	10
3	21	1	1	10½	2	12	0	14	2	1	3	6	5½	8	186	13	4	9	6	8	2	6	8
3	20	1	1	8	2	11	0	13	11½	1	2	6	3	9	210	0	0	10	10	0	2	12	6
3	19	1	1	5½	2	10	0	13	9	1	1	6	0½	10	233	6	8	11	13	4	2	18	4
3	18	1	1	3	2	9	0	13	6½	1	0	5	10	11	256	13	4	12	16	8	3	4	2
3	17	1	1	0½	2	8	0	13	4	0	27	5	7½	12	280	0	0	14	0	0	3	10	0
3	16	1	0	10	2	7	0	13	1½	0	26	5	5	13	303	6	8	15	3	4	3	15	10
3	15	1	0	7½	2	6	0	12	11	0	25	5	2½	14	326	13	4	16	6	8	4	1	8
3	14	1	0	5	2	5	0	12	8½	0	24	5	0	15	350	0	0	17	10	0	4	7	6
3	13	1	0	2½	2	4	0	12	6	0	23	4	9½	16	373	6	8	18	13	4	4	13	4
3	12	1	0	0	2	3	0	12	3½	0	22	4	7	17	396	13	4	19	16	8	4	19	2
3	11	0	19	9½	2	2	0	12	1	0	21	4	4½	18	420	0	0	21	0	0	5	5	0
3	10	0	19	7	2	1	0	11	10½	0	20	4	2	19	443	6	8	22	3	4	5	10	10
3	9	0	19	4½	2	0	0	11	8	0	19	3	11½	20	466	13	4	23	6	8	5	16	8
3	8	0	19	2	1	27	0	11	5½	0	18	3	9	21	490	0	0	24	10	0	6	2	6
3	7	0	18	11½	1	26	0	11	3	0	17	3	6½	22	513	6	8	25	13	4	6	8	4
3	6	0	18	9	1	25	0	11	0½	0	16	3	4	23	536	13	4	26	16	8	6	14	2
3	5	0	18	6½	1	24	0	10	10	0	15	3	1½	24	560	0	0	28	0	0	7	0	0
3	4	0	18	4	1	23	0	10	7½	0	14	2	11	25	583	6	8	29	3	4	7	5	10
3	3	0	18	1½	1	22	0	10	5	0	13	2	8½	26	606	13	4	30	6	8	7	11	8
3	2	0	17	11	1	21	0	10	2½	0	12	2	6	27	630	0	0	31	10	0	7	17	6
3	1	0	17	8½	1	20	0	10	0	0	11	2	3½	28	653	6	8	32	13	4	8	3	4
3	0	0	17	6	1	19	0	9	9½	0	10	2	1	29	676	13	4	33	16	8	8	9	2
2	27	0	17	3½	1	18	0	9	7	0	9	1	10½	30	700	0	0	35	0	0	8	15	0
2	26	0	17	1	1	17	0	9	4½	0	8	1	8	31	723	6	8	36	3	4	9	0	10
2	25	0	16	10½	1	16	0	9	2	0	7	1	5½	32	746	13	4	37	6	8	9	6	8
2	24	0	16	8	1	15	0	8	11½	0	6	1	3	33	770	0	0	38	10	0	9	12	6
2	23	0	16	5½	1	14	0	8	9	0	5	1	0½	34	793	6	8	39	13	4	9	18	4
2	22	0	16	3	1	13	0	8	6½	0	4	0	10	35	816	13	4	40	16	8	10	4	2
2	21	0	16	0½	1	12	0	8	4	0	3	0	7½	36	840	0	0	42	0	0	10	10	0
2	20	0	15	10	1	11	0	8	1½	0	2	0	5	37	863	6	8	43	3	4	10	15	10
2	19	0	15	7½	1	10	0	7	11	0	1	0	2½	38	886	13	4	44	6	8	11	1	8

Note—2½*d.* per lb.

£24 10s. per ton, £1 4s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£24 10s. per ton.			£1 4s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 6s. 1½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	4	3½	2	18	0	16	2¾	1	9	8	1¼	2	49	0	0	2	9	0	0	12	3
3	26	1	4	1	2	17	0	16	0	1	8	7	10½	3	73	10	0	3	13	6	0	18	4½
3	25	1	3	10½	2	16	0	15	9½	1	7	7	8	4	98	0	0	4	18	0	1	4	6
3	24	1	3	8	2	15	0	15	6¼	1	6	7	5¼	5	122	10	0	6	2	6	1	10	7½
3	23	1	3	5½	2	14	0	15	3¾	1	5	7	2½	6	147	0	0	7	7	0	1	16	9
3	22	1	3	2¾	2	13	0	15	1	1	4	7	0	7	171	10	0	8	11	6	2	2	10½
3	21	1	3	0	2	12	0	14	10½	1	3	6	9¼	8	196	0	0	9	16	0	2	9	0
3	20	1	2	9¼	2	11	0	14	8	1	2	6	6¾	9	220	10	0	11	0	6	2	15	1½
3	19	1	2	6¾	2	10	0	14	5½	1	1	6	4	10	245	0	0	12	5	0	3	1	3
3	18	1	2	4	2	9	0	14	3	1	0	6	1¼	11	269	10	0	13	9	6	3	7	4½
3	17	1	2	1¼	2	8	0	14	0¼	0	27	5	11	12	294	0	0	14	14	0	3	13	6
3	16	1	1	10¾	2	7	0	13	9½	0	26	5	8½	13	318	10	0	15	18	6	3	19	7½
3	15	1	1	8	2	6	0	13	7	0	25	5	6	14	343	0	0	17	3	0	4	5	9
3	14	1	1	5¼	2	5	0	13	4¼	0	24	5	3¼	15	367	10	0	18	7	6	4	12	10½
3	13	1	1	2¾	2	4	0	13	2	0	23	5	1	16	392	0	0	19	12	0	4	18	0
3	12	1	1	0	2	3	0	12	11¼	0	22	4	10½	17	416	10	0	20	16	6	5	4	1½
3	11	1	0	9¼	2	2	0	12	8¾	0	21	4	8	18	441	0	0	22	1	0	5	10	3
3	10	1	0	7	2	1	0	12	6¾	0	20	4	5¼	19	465	10	0	23	5	6	5	16	4½
3	9	1	0	4¼	2	0	0	12	3	0	19	4	2½	20	490	0	0	24	10	0	6	2	6
3	8	1	0	1¾	1	27	0	12	0¼	0	18	3	11¾	21	514	10	0	25	14	6	6	8	7½
3	7	0	19	11	1	26	0	11	10	0	17	3	9	22	539	0	0	26	19	0	6	14	9
3	6	0	19	8¼	1	25	0	11	7¼	0	16	3	6¼	23	563	10	0	28	3	6	7	0	10½
3	6	0	19	6	1	24	0	11	5	0	15	3	3½	24	588	0	0	29	8	0	7	7	0
3	4	0	19	3¼	1	23	0	11	2¼	0	14	3	0¾	25	612	10	0	30	12	6	7	13	1½
3	3	0	19	0¼	1	22	0	10	11½	0	13	2	10	26	637	0	0	31	17	0	7	19	3
3	2	0	18	10	1	21	0	10	9	0	12	2	7¼	27	661	10	0	33	1	6	8	5	4½
3	1	0	18	7¼	1	20	0	10	6¼	0	11	2	5	28	686	0	0	34	6	0	8	11	6
3	0	0	18	4¾	1	19	0	10	3¾	0	10	2	2½	29	710	10	0	35	10	6	8	17	7½
2	27	0	18	2	1	18	0	10	0¾	0	9	2	0	30	735	0	0	36	15	0	9	3	9
2	26	0	17	11¾	1	17	0	9	10	0	8	1	9¼	31	759	10	0	37	19	6	9	9	10½
2	25	0	17	9	1	16	0	9	7¼	0	7	1	6¾	32	784	0	0	39	4	0	9	16	0
2	24	0	17	6½	1	15	0	9	4¾	0	6	1	3½	33	808	10	0	40	8	6	10	2	1½
2	23	0	17	4	1	14	0	9	2¼	0	5	1	1¼	34	833	0	0	41	13	0	10	8	3
2	22	0	17	1¾	1	13	0	8	11¾	0	4	0	10¾	35	857	10	0	42	17	6	10	14	4½
2	21	0	16	11	1	12	0	8	9	0	3	0	7¾	36	882	0	0	44	2	0	11	0	6
2	20	0	16	8¼	1	11	0	8	6¾	0	2	0	5	37	906	10	0	45	6	6	11	6	7½
2	19	0	16	5½	1	10	0	8	4	0	1	0	2½	38	931	0	0	46	11	0	11	12	9

£25 per ton, £1 5s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£25 per ton.			£1 5s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yard, aver. 6s. 8d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	4	9½	2	18	0	16	6½	1	9	8	3½	2	50	0	0	2	10	0	0	12	6
3	26	1	4	7	2	17	0	16	3½	1	8	8	0½	3	75	0	0	3	15	0	0	18	9
3	25	1	4	4½	2	16	0	16	1	1	7	7	10	4	100	0	0	5	0	0	1	5	0
3	24	1	4	1½	2	15	0	15	10½	1	6	7	7½	5	125	0	0	6	5	0	1	11	3
3	23	1	3	11	2	14	0	15	7½	1	5	7	4½	6	150	0	0	7	10	0	1	17	6
3	22	1	3	8½	2	13	0	15	5	1	4	7	2	7	175	0	0	8	15	0	2	3	9
3	21	1	3	5½	2	12	0	15	2½	1	3	6	11½	8	200	0	0	10	0	0	2	10	0
3	20	1	3	2½	2	11	0	15	0	1	2	6	8½	9	225	0	0	11	5	0	2	16	3
3	19	1	3	0	2	10	0	14	9½	1	1	6	5½	10	250	0	0	12	10	0	3	2	6
3	18	1	2	9½	2	9	0	14	6½	1	0	6	3	11	275	0	0	13	15	0	3	8	9
3	17	1	2	6½	2	8	0	14	4	0	27	6	0½	12	300	0	0	15	0	0	3	15	0
3	16	1	2	3½	2	7	0	14	1½	0	26	5	10	13	325	0	0	16	5	0	4	1	3
3	15	1	2	1	2	6	0	13	10½	0	25	5	7½	14	350	0	0	17	10	0	4	7	6
3	14	1	1	10½	2	5	0	13	7½	0	24	5	4½	15	375	0	0	18	15	0	4	13	9
3	13	1	1	8	2	4	0	13	5	0	23	5	2	16	400	0	0	20	0	0	5	0	0
3	12	1	1	5½	2	3	0	13	2½	0	22	4	11½	17	425	0	0	21	5	0	5	6	3
3	11	1	1	2½	2	2	0	12	11½	0	21	4	8½	18	450	0	0	22	10	0	5	12	6
3	10	1	1	0	2	1	0	12	8½	0	20	4	5½	19	475	0	0	23	15	0	5	18	9
3	9	1	0	9½	2	0	0	12	6	0	19	4	3	20	500	0	0	25	0	0	6	5	0
3	8	1	0	6½	1	27	0	12	3½	0	18	4	0½	21	525	0	0	26	5	0	6	11	3
3	7	1	0	4	1	26	0	12	0½	0	17	3	9½	22	550	0	0	27	10	0	6	17	6
3	6	1	0	1½	1	25	0	11	10	0	16	3	7	23	575	0	0	28	15	0	7	3	9
3	5	0	19	10½	1	24	0	11	7½	0	15	3	4½	24	600	0	0	30	0	0	7	10	0
3	4	0	19	8	1	23	0	11	4½	0	14	3	1½	25	625	0	0	31	5	0	7	16	3
3	3	0	19	5½	1	22	0	11	2	0	13	2	11	26	650	0	0	32	10	0	8	2	6
3	2	0	19	2½	1	21	0	10	11½	0	12	2	8½	27	675	0	0	33	15	0	8	8	9
3	1	0	18	11½	1	20	0	10	8½	0	11	2	5½	28	700	0	0	35	0	0	8	15	0
3	0	0	18	9	1	19	0	10	6	0	10	2	2½	29	725	0	0	36	5	0	9	1	3
2	27	0	18	6½	1	18	0	10	3½	0	9	2	0	30	750	0	0	37	10	0	9	7	6
2	26	0	18	3½	1	17	0	10	0½	0	8	1	9½	31	775	0	0	38	15	0	9	13	9
2	25	0	18	1	1	16	0	9	10	0	7	1	6½	32	800	0	0	40	0	0	10	0	0
2	24	0	17	10½	1	15	0	9	7½	0	6	1	4	33	825	0	0	41	5	0	10	6	3
2	23	0	17	7½	1	14	0	9	4½	0	5	1	1½	34	850	0	0	42	10	0	10	12	6
2	22	0	17	5	1	13	0	9	2	0	4	0	10½	35	875	0	0	43	15	0	10	18	9
2	21	0	17	2½	1	12	0	8	11½	0	3	0	7½	36	900	0	0	45	0	0	11	5	0
2	20	0	17	0	1	11	0	8	8½	0	2	0	5	37	925	0	0	46	5	0	11	11	3
2	19	0	16	9½	1	10	0	8	6	0	1	0	2½	38	950	0	0	47	10	0	11	17	6

£21 per ton, £1 1s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£21 per ton.			£1 1s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., aver. 5s. 3d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
4	27	1	0	9¾	2	18	0	13	10½	1	9	6	11½	2	42	0	0	2	2	0	0	10	6
3	26	1	0	7¾	2	17	0	13	8½	1	8	6	9	3	63	0	0	3	3	0	0	15	9
3	25	1	0	5¼	2	16	0	13	6	1	7	6	6¾	4	84	0	0	4	4	0	1	1	0
3	24	1	0	3	2	15	0	13	3¾	1	6	6	4½	5	105	0	0	5	5	0	1	6	3
3	23	1	0	0¾	2	14	0	13	1½	1	5	6	2¼	6	126	0	0	6	6	0	1	11	6
3	22	0	19	10½	2	13	0	12	11¼	1	4	6	0	7	147	0	0	7	7	0	1	16	9
3	21	0	19	8¼	2	12	0	12	9	1	3	5	9¾	8	168	0	0	8	8	0	2	2	0
3	20	0	19	6	2	11	0	12	6¾	1	2	5	7½	9	189	0	0	9	9	0	2	7	3
3	19	0	19	3¾	2	10	0	12	4½	1	1	5	5¼	10	210	0	0	10	10	0	2	12	6
3	18	0	19	1¾	2	9	0	12	2¼	1	0	5	3	11	231	0	0	11	11	0	2	17	9
3	17	0	18	11¼	2	8	0	12	0	0	27	5	0¾	12	252	0	0	12	12	0	3	3	0
3	16	0	18	9	2	7	0	11	9¾	0	26	4	10½	13	273	0	0	13	13	0	3	8	3
3	15	0	18	6¾	2	6	0	11	7½	0	25	4	8¼	14	294	0	0	14	14	0	3	13	6
3	14	0	18	4½	2	5	0	11	5¼	0	24	4	6	15	315	0	0	15	15	0	3	18	9
3	13	0	18	2¼	2	4	0	11	3	0	23	4	3¾	16	336	0	0	16	16	0	4	4	0
3	12	0	18	0	2	3	0	11	0¾	0	22	4	1½	17	357	0	0	17	17	0	4	9	3
3	11	0	17	9¾	2	2	0	10	10¼	0	21	3	11¼	18	378	0	0	18	18	0	4	14	6
3	10	0	17	7¼	2	1	0	10	8¼	0	20	3	9	19	399	0	0	19	19	0	4	19	9
3	9	0	17	5¼	2	0	0	10	6	0	19	3	6¾	20	420	0	0	21	0	0	5	5	0
3	8	0	17	3	1	27	0	10	3¾	0	18	3	4½	21	441	0	0	22	1	0	5	10	3
3	7	0	17	0¾	1	26	0	10	1¼	0	17	3	2¼	22	462	0	0	23	2	0	5	15	6
3	6	0	16	10½	1	25	0	9	11¼	0	16	3	0	23	483	0	0	24	3	0	6	0	9
3	5	0	16	8¼	1	24	0	9	9	0	15	2	9¾	24	504	0	0	25	4	0	6	6	0
3	4	0	16	6	1	23	0	9	6¾	0	14	2	7½	25	525	0	0	26	5	0	6	11	3
3	3	0	16	3¾	1	22	0	9	4½	0	13	2	5¼	26	546	0	0	27	6	0	6	16	6
3	2	0	16	1¾	1	21	0	9	2¼	0	12	2	3	27	567	0	0	28	7	0	7	1	9
2	1	0	15	11¼	1	20	0	9	0	0	11	2	0¾	28	588	0	0	29	8	0	7	7	0
2	0	0	15	9	1	19	0	8	9¾	0	10	1	10¼	29	609	0	0	30	9	0	7	12	3
2	27	0	15	6¾	1	18	0	8	7½	0	9	1	8¼	30	630	0	0	31	10	0	7	17	6
2	26	0	15	4½	1	17	0	8	5¼	0	8	1	6	31	651	0	0	32	11	0	8	2	9
2	25	0	15	2¼	1	16	0	8	3	0	7	1	3¾	32	672	0	0	33	12	0	8	8	0
2	24	0	15	0	1	15	0	8	0¾	0	6	1	1½	33	693	0	0	34	13	0	8	13	3
2	23	0	14	9¾	1	14	0	7	10¼	0	5	0	11¼	34	714	0	0	35	14	0	8	18	6
2	22	0	14	7¼	1	13	0	7	8¼	0	4	0	9	35	735	0	0	36	15	0	9	3	9
2	21	0	14	5¼	1	12	0	7	6	0	3	0	6¾	36	756	0	0	37	16	0	9	9	0
2	20	0	14	3	1	11	0	7	3¾	0	2	0	4½	37	777	0	0	38	17	0	9	14	3
2	19	0	14	0¾	1	10	0	7	1½	0	1	0	2¼	38	798	0	0	39	18	0	9	19	6

Note—2¼*d.* per lb.

£21 10s. per ton, £1 1s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£21 10s. per ton.			£1 1s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 5s. 4½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	1	3¾	2	18	0	14	2¼	1	9	7	1	2	43	0	0	2	3	0	0	10	9
3	26	1	1	1½	2	17	0	14	0	1	8	6	10¾	3	64	10	0	3	4	6	0	16	1½
3	25	1	0	11¼	2	16	0	13	9¾	1	7	6	8½	4	86	0	0	4	6	0	1	1	6
3	24	1	0	9	2	15	0	13	7½	1	6	6	6¼	5	107	10	0	5	7	6	1	6	10½
3	23	1	0	6¾	2	14	0	13	5¼	1	5	6	4	6	129	0	0	6	9	0	1	12	3
3	22	1	0	4½	2	13	0	13	3	1	4	6	1¾	7	150	10	0	7	10	6	1	17	7½
3	21	1	0	2¼	2	12	0	13	0¾	1	3	5	11½	8	172	0	0	8	12	0	2	3	0
3	20	1	0	0	2	11	0	12	10¼	1	2	5	9	9	193	10	0	9	13	6	2	8	4½
3	19	0	19	9¼	2	10	0	12	8¼	1	1	5	6¾	10	215	0	0	10	15	0	2	13	9
3	18	0	19	7¼	2	9	0	12	6	1	0	5	4½	11	236	10	0	11	16	6	2	19	1½
3	17	0	19	5	2	8	0	12	3¾	0	27	5	2	12	258	0	0	12	18	0	3	4	6
3	16	0	19	2¾	2	7	0	12	1¼	0	26	4	11¾	13	279	10	0	13	19	6	3	9	10½
3	15	0	19	0½	2	6	0	11	11	0	25	4	9¼	14	301	0	0	15	1	0	3	15	3
3	14	0	18	9¾	2	5	0	11	8¾	0	24	4	7½	15	322	10	0	16	2	6	4	0	7½
3	13	0	18	7½	2	4	0	11	6¼	0	23	4	5	16	344	0	0	17	4	0	4	6	0
3	12	0	18	5¼	2	3	0	11	3¾	0	22	4	2¾	17	365	10	0	18	5	6	4	11	4½
3	11	0	18	3	2	2	0	11	1¼	0	21	4	0½	18	387	0	0	19	7	0	4	16	9
3	10	0	18	0¾	2	1	0	10	11¼	0	20	3	10¼	19	408	10	0	20	8	6	5	2	1½
3	9	0	17	10¼	2	0	0	10	9	0	19	3	8	20	430	0	0	21	10	0	5	7	6
3	8	0	17	8	1	27	0	10	6¾	0	18	3	5¾	21	451	10	0	22	11	6	5	12	10½
3	7	0	17	5¼	1	26	0	10	4¼	0	17	3	3¼	22	473	0	0	23	13	0	5	18	3
3	6	0	17	3¼	1	25	0	10	2	0	16	3	1	23	494	10	0	24	14	6	6	3	7½
3	5	0	17	1	1	24	0	9	11¼	0	15	2	10¾	24	516	0	0	25	16	0	6	9	0
3	4	0	16	10¾	1	23	0	9	9¼	0	14	2	8¼	25	537	10	0	26	17	6	6	14	4½
3	3	0	16	8¼	1	22	0	9	7	0	13	2	6	26	559	0	0	27	19	0	6	19	9
3	2	0	16	6¼	1	21	0	9	4¾	0	12	2	3¾	27	580	10	0	29	0	6	7	5	1½
3	1	0	16	4	1	20	0	9	2¼	0	11	2	1	28	602	0	0	30	2	0	7	10	6
3	0	0	16	1¾	1	19	0	9	0¼	0	10	1	10¾	29	623	10	0	31	3	6	7	15	10½
2	27	0	15	11	1	18	0	8	10	0	9	1	8¼	30	645	0	0	32	5	0	8	1	3
2	26	0	15	8¾	1	17	0	8	7¾	0	8	1	6	31	666	10	0	33	6	6	8	6	7½
2	25	0	15	6¼	1	16	0	8	5¼	0	7	1	3¾	32	688	0	0	34	8	0	8	12	0
2	24	0	15	4	1	15	0	8	3	0	6	1	1½	33	709	10	0	35	9	6	8	17	4½
2	23	0	15	1¾	1	14	0	8	0¾	0	5	0	11¼	34	731	0	0	36	11	0	9	2	9
2	22	0	14	11¼	1	13	0	7	10¼	0	4	0	9	35	752	10	0	37	12	6	9	8	1½
2	21	0	14	9	1	12	0	7	8	0	3	0	6¾	36	774	0	0	38	14	0	9	13	6
2	20	0	14	6¾	1	11	0	7	5¾	0	2	0	4½	37	795	10	0	39	15	6	9	18	10½
2	19	0	14	4½	1	10	0	7	3¼	0	1	0	2¼	38	817	0	0	40	17	0	10	4	3

£22 per ton, £1 2s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£22 per ton.			£1 2s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yd., aver. 5s. 6d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	1	9¾	2	18	0	14	6¾	1	9	7	3½	2	44	0	0	2	4	0	0	11	0
3	26	1	1	7½	2	17	0	14	4½	1	8	7	1	3	66	0	0	3	6	0	0	16	6
3	25	1	1	5¼	2	16	0	14	2	1	7	6	10½	4	88	0	0	4	8	0	1	2	0
3	24	1	1	3	2	15	0	13	11½	1	6	6	8¼	5	110	0	0	5	10	0	1	7	6
3	23	1	1	0¾	2	14	0	13	9	1	5	6	5¾	6	132	0	0	6	12	0	1	13	0
3	22	1	0	10	2	13	0	13	6¾	1	4	6	3½	7	154	0	0	7	14	0	1	18	6
3	21	1	0	7¾	2	12	0	13	4¼	1	3	6	1¼	8	176	0	0	8	16	0	2	4	0
3	20	1	0	5¼	2	11	0	13	2	1	2	5	10½	9	198	0	0	9	18	0	2	9	6
3	19	1	0	3	2	10	0	12	11½	1	1	5	8¼	10	220	0	0	11	0	0	2	15	0
3	18	1	0	0¼	2	9	0	12	9	1	0	5	6	11	242	0	0	12	2	0	3	0	6
3	17	0	19	10	2	8	0	12	6¾	0	27	5	3½	12	264	0	0	13	4	0	3	6	0
3	16	0	19	7¾	2	7	0	12	4½	0	26	5	1	13	286	0	0	14	6	0	3	11	6
3	15	0	19	5¼	2	6	0	12	2	0	25	4	10¾	14	308	0	0	15	8	0	3	17	0
3	14	0	19	3	2	5	0	11	11¾	0	24	4	8¼	15	330	0	0	16	10	0	4	2	6
3	13	0	19	0¾	2	4	0	11	9½	0	23	4	6	16	352	0	0	17	12	0	4	8	0
3	12	0	18	10¼	2	3	0	11	7	0	22	4	3¾	17	374	0	0	18	14	0	4	13	6
3	11	0	18	8	2	2	0	11	4¾	0	21	4	1½	18	396	0	0	19	16	0	4	19	0
3	10	0	18	5¾	2	1	0	11	2¼	0	20	3	11	19	418	0	0	20	18	0	5	4	6
3	9	0	18	3¼	2	0	0	11	0	0	19	3	8¾	20	440	0	0	22	0	0	5	10	0
3	8	0	18	1	1	27	0	10	9¾	0	18	3	6¼	21	462	0	0	23	2	0	5	15	6
3	7	0	17	10¾	1	26	0	10	7½	0	17	3	4	22	484	0	0	24	4	0	6	1	0
3	6	0	17	8½	1	25	0	10	5	0	16	3	1¾	23	506	0	0	25	6	0	6	6	6
3	5	0	17	6¼	1	24	0	10	2¾	0	15	2	11½	24	528	0	0	26	8	0	6	12	0
3	4	0	17	4	1	23	0	10	0¼	0	14	2	9	25	550	0	0	27	10	0	6	17	6
3	3	0	17	1¾	1	22	0	9	10	0	13	2	6¾	26	572	0	0	28	12	0	7	3	0
3	2	0	16	11	1	21	0	9	7¾	0	12	2	4½	27	594	0	0	29	14	0	7	8	6
2	1	0	16	8¼	1	20	0	9	5¼	0	11	2	2	28	616	0	0	30	16	0	7	14	0
2	0	0	16	6	1	19	0	9	3	0	10	1	11½	29	638	0	0	31	18	0	7	19	6
2	27	0	16	3¾	1	18	0	9	0¾	0	9	1	9	30	660	0	0	33	0	0	8	5	0
2	26	0	16	1¼	1	17	0	8	10¼	0	8	1	6¾	31	682	0	0	34	2	0	8	10	6
2	25	0	15	11	1	16	0	8	8	0	7	1	4¼	32	704	0	0	35	4	0	8	16	0
2	24	0	15	8¾	1	15	0	8	5¾	0	6	1	2	33	726	0	0	36	6	0	9	1	6
2	23	0	15	6¼	1	14	0	8	3	0	5	0	11¼	34	748	0	0	37	8	0	9	7	0
2	22	0	15	4	1	13	0	8	0¾	0	4	0	9	35	770	0	0	38	10	0	9	12	6
2	21	0	15	1¾	1	12	0	7	10¼	0	3	0	6¾	36	792	0	0	39	12	0	9	18	0
2	20	0	14	11¼	1	11	0	7	8	0	2	0	4¼	37	814	0	0	40	14	0	10	3	6
2	19	0	14	9	1	10	0	7	5¾	0	1	0	2¼	38	836	0	0	41	16	0	10	9	0

£22 10s. per ton, £1 2s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£22 10s. per ton.			£1 2s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day ¼ yd., aver. 5s. 7½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	2	3¾	2	18	0	14	10	1	9	7	5½	2	45	0	0	2	5	0	0	11	3
3	26	1	2	1¾	2	17	0	14	7¾	1	8	7	3	3	67	10	0	3	7	6	0	16	10¼
3	25	1	1	11¼	2	16	0	14	5½	1	7	7	0¾	4	90	0	0	4	10	0	1	2	6
3	24	1	1	9	2	15	0	14	3	1	6	6	10½	5	112	10	0	5	12	6	1	8	1½
3	23	1	1	6¾	2	14	0	14	0¾	1	5	6	8	6	135	0	0	6	15	0	1	13	9
3	22	1	1	4¼	2	13	0	13	10¼	1	4	6	5¼	7	157	10	0	7	17	6	1	19	4¼
3	21	1	1	2	2	12	0	13	8	1	3	6	3	8	180	0	0	9	0	0	2	5	0
3	20	1	0	11¾	2	11	0	13	5¾	1	2	6	0½	9	202	10	0	10	2	6	2	10	7½
3	19	1	0	9	2	10	0	13	3	1	1	5	10	10	225	0	0	11	5	0	2	16	3
3	18	1	0	6¼	2	9	0	13	0¾	1	0	5	7¼	11	247	10	0	12	7	6	3	1	10¼
3	17	1	9	4	2	8	0	12	10¼	0	27	5	5	12	270	0	0	13	10	0	3	7	6
3	16	1	0	1¾	2	7	0	12	8	0	26	5	2¾	13	292	10	0	14	12	6	3	13	1½
3	15	0	19	11	2	6	0	12	5¾	0	25	5	0	14	315	0	0	15	15	0	3	18	9
3	14	0	19	8¼	2	5	0	12	3	0	24	4	9¾	15	337	10	0	16	17	6	4	4	4½
3	13	0	19	6	2	4	0	12	0¾	0	23	4	7¼	16	360	0	0	18	0	0	4	10	0
3	12	0	19	3¾	2	3	0	11	10¼	0	22	4	5	17	382	10	0	19	2	6	4	15	7½
3	11	0	19	1	2	2	0	11	8	0	21	4	2¼	18	405	0	0	20	5	0	5	1	3
3	10	0	18	10¼	2	1	0	11	5¼	0	20	4	0	19	427	10	0	21	7	6	5	6	10½
3	9	0	18	8	2	0	0	11	3	0	19	3	9¾	20	450	0	0	22	10	0	5	12	6
3	8	0	18	5¼	1	27	0	11	0¾	0	18	3	7¼	21	472	10	0	23	12	6	5	18	1½
3	7	0	18	3	1	26	0	10	10¾	0	17	3	5	22	495	0	0	24	15	0	6	3	9
3	6	0	18	0¼	1	25	0	10	8	0	16	3	2¼	23	517	10	0	25	17	6	6	9	4½
3	5	0	17	10	1	24	0	10	5¼	0	15	3	0	24	540	0	0	27	0	0	6	15	0
3	4	0	17	7¾	1	23	0	10	3	0	14	2	9¾	25	562	10	0	28	2	6	7	0	7½
3	3	0	17	5¼	1	22	0	10	0¾	0	13	2	7¼	26	585	0	0	29	5	0	7	6	3
3	2	0	17	3	1	21	0	9	10¼	0	12	2	5	27	607	10	0	30	7	6	7	11	10½
3	1	0	17	0¾	1	20	0	9	8	0	11	2	2¼	28	630	0	0	31	10	0	7	17	6
3	0	0	16	10¼	1	19	0	9	5¼	0	10	2	0	29	652	10	0	32	12	6	8	3	1½
2	27	0	16	8	1	18	0	9	3	0	9	1	9½	30	675	0	0	33	15	0	8	8	9
2	26	0	16	5¼	1	17	0	9	0¾	0	8	1	7¼	31	697	10	0	34	17	6	8	14	4½
2	25	0	16	3	1	16	0	8	10¼	0	7	1	4¼	32	720	0	0	36	0	0	9	0	0
2	24	0	16	0¾	1	15	0	8	7¾	0	6	1	2¼	33	742	10	0	37	2	6	9	5	7½
2	23	0	15	10¼	1	14	0	8	5¼	0	5	1	0	34	765	0	0	38	5	0	9	11	3
2	22	0	15	8	1	13	0	8	3	0	4	0	9¼	35	787	10	0	39	7	6	9	16	10½
2	21	0	15	5¼	1	12	0	8	0¼	0	3	0	7	36	810	0	0	40	10	0	10	2	6
2	20	0	15	3	1	11	0	7	10	0	2	0	4½	37	832	10	0	41	12	6	10	8	1½
2	19	0	15	0¼	1	10	0	7	7¾	0	1	0	2¼	38	855	0	0	42	15	0	10	13	9

£23 per ton, £1 3s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£23 per ton.			£1 3s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 5s. 9d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	2	9½	2	18	0	15	2	1	9	7	7	2	46	0	0	2	6	0	0	11	6
3	26	1	2	7½	2	17	0	14	11½	1	8	7	4½	3	69	0	0	3	9	0	0	17	3
3	25	1	2	5	2	16	0	14	9	1	7	7	2	4	92	0	0	4	12	0	1	3	0
3	24	1	2	2½	2	15	0	14	6	1	6	6	11½	5	115	0	0	5	15	0	1	8	9
3	23	1	2	0	2	14	0	14	4½	1	5	6	9	6	138	0	0	6	18	0	1	14	6
3	22	1	1	9½	2	13	0	14	2	1	4	6	6½	7	161	0	0	8	1	0	2	0	3
3	21	1	1	7	2	12	0	13	11½	1	3	6	4	8	184	0	0	9	4	0	2	6	0
3	20	1	1	4½	2	11	0	13	9	1	2	6	1½	9	207	0	0	10	7	0	2	11	9
3	19	1	1	2	2	10	0	13	6½	1	1	5	11½	10	230	0	0	11	10	0	2	17	6
3	18	1	0	11½	2	9	0	13	4	1	0	5	9	11	253	0	0	12	13	0	3	3	3
3	17	1	0	9	2	8	0	13	1½	0	27	5	6½	12	276	0	0	13	16	0	3	9	0
3	16	1	0	6½	2	7	0	12	11	0	26	5	4	13	299	0	0	14	19	0	3	14	9
3	15	1	0	4	2	6	0	12	8½	0	25	5	1½	14	322	0	0	16	2	0	4	0	6
3	14	1	0	1½	2	5	0	12	6	0	24	4	11	15	345	0	0	17	5	0	4	6	3
3	13	0	19	11	2	4	0	12	3½	0	23	4	8½	16	368	0	0	18	8	0	4	12	0
3	12	0	19	8½	2	3	0	12	1	0	22	4	6	17	391	0	0	19	11	0	4	17	9
3	11	0	19	6	2	2	0	11	10½	0	21	4	3½	18	414	0	0	20	14	0	5	3	6
3	10	0	19	3½	2	1	0	11	8½	0	20	4	1	19	437	0	0	21	17	0	5	9	3
3	9	0	19	1	2	0	0	11	6	0	19	3	10½	20	460	0	0	23	0	0	5	15	0
3	8	0	18	10½	1	27	0	11	3½	0	18	3	8	21	483	0	0	24	3	0	6	0	9
3	7	0	18	8½	1	26	0	11	1	0	17	3	5½	22	506	0	0	25	6	0	6	6	6
3	6	0	18	6	1	25	0	10	10½	0	16	3	3½	23	529	0	0	26	9	0	6	12	3
3	5	0	18	3½	1	24	0	10	8	0	15	3	1	24	552	0	0	27	12	0	6	18	0
3	4	0	18	1	1	23	0	10	5½	0	14	2	10½	25	575	0	0	28	15	0	7	3	9
3	3	0	17	10½	1	22	0	10	3	0	13	2	8	26	598	0	0	29	18	0	7	9	6
3	2	0	17	8	1	21	0	10	0½	0	12	2	5½	27	621	0	0	31	1	0	7	15	3
3	1	0	17	5½	1	20	0	9	10	0	11	2	3	28	644	0	0	32	4	0	8	1	0
3	0	0	17	3	1	19	0	9	7½	0	10	2	0½	29	667	0	0	33	7	0	8	6	9
2	27	0	17	0½	1	18	0	9	5	0	9	1	10	30	690	0	0	34	10	0	8	12	6
2	26	0	16	10	1	17	0	9	2½	0	8	1	7½	31	713	0	0	35	13	0	8	18	3
2	25	0	16	7½	1	16	0	9	0	0	7	1	5	32	736	0	0	36	16	0	9	4	0
2	24	0	16	5	1	15	0	8	9½	0	6	1	2½	33	759	0	0	37	19	0	9	9	9
2	23	0	16	2½	1	14	0	8	7½	0	5	1	0	34	782	0	0	39	2	0	9	15	6
2	22	0	16	0	1	13	0	8	5	0	4	0	9½	35	805	0	0	40	5	0	10	1	3
2	21	0	15	9½	1	12	0	8	2½	0	3	0	7	36	828	0	0	41	8	0	10	7	0
2	20	0	15	7	1	11	0	8	0	0	2	0	4½	37	851	0	0	42	11	0	10	12	9
2	19	0	15	4½	1	10	0	7	9½	0	1	0	2½	38	874	0	0	43	14	0	10	18	6

£23 6s. 8d. per ton, £1 3s. 4d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£23 6s. 8d. per ton.			£1 3s. 4d. per cwt. bush, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 5s. 10d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	3	1½	2	18	0	15	5	1	9	7	8½	2	46	13	4	2	6	8	0	11	8
3	26	1	2	11	2	17	0	15	2½	1	8	7	6	3	70	0	0	3	10	0	0	17	6
3	25	1	2	8½	2	16	0	15	0	1	7	7	3½	4	93	6	8	4	13	4	1	3	4
3	24	1	2	6	2	15	0	14	9½	1	6	7	1	5	116	13	4	5	16	8	1	9	2
3	23	1	2	3½	2	14	0	14	7	1	5	6	10½	6	140	0	0	7	0	0	1	15	0
3	22	1	2	1	2	13	0	14	4½	1	4	6	8	7	163	6	8	8	3	4	2	0	10
3	21	1	1	10½	2	12	0	14	2	1	3	6	5½	8	186	13	4	9	6	8	2	6	8
3	20	1	1	8	2	11	0	13	11½	1	2	6	3	9	210	0	0	10	10	0	2	12	6
3	19	1	1	5½	2	10	0	13	9	1	1	6	0½	10	233	6	8	11	13	4	2	18	4
3	18	1	1	3	2	9	0	13	6½	1	0	5	10	11	256	13	4	12	16	8	3	4	2
3	17	1	1	0½	2	8	0	13	4	0	27	5	7½	12	280	0	0	14	0	0	3	10	0
3	16	1	0	10	2	7	0	13	1½	0	26	5	5	13	303	6	8	15	3	4	3	15	10
3	15	1	0	7½	2	6	0	12	11	0	25	5	2½	14	326	13	4	16	6	8	4	1	8
3	14	1	0	5	2	5	0	12	8½	0	24	5	0	15	350	0	0	17	10	0	4	7	6
3	13	1	0	2½	2	4	0	12	6	0	23	4	9½	16	373	6	8	18	13	4	4	13	4
3	12	1	0	0	2	3	0	12	3½	0	22	4	7	17	396	13	4	19	16	8	4	19	2
3	11	0	19	9½	2	2	0	12	1	0	21	4	4½	18	420	0	0	21	0	0	5	5	0
3	10	0	19	7	2	1	0	11	10½	0	20	4	2	19	443	6	8	22	3	4	5	10	10
3	9	0	19	4½	2	0	0	11	8	0	19	3	11½	20	466	13	4	23	6	8	5	16	8
3	8	0	19	2	1	27	0	11	5½	0	18	3	9	21	490	0	0	24	10	0	6	2	6
3	7	0	18	11½	1	26	0	11	3	0	17	3	6½	22	513	6	8	25	13	4	6	8	4
3	6	0	18	9	1	25	0	11	0½	0	16	3	4	23	536	13	4	26	16	8	6	14	2
3	5	0	18	6½	1	24	0	10	10	0	15	3	1½	24	560	0	0	28	0	0	7	0	0
3	4	0	18	4	1	23	0	10	7½	0	14	2	11	25	583	6	8	29	3	4	7	5	10
3	3	0	18	1½	1	22	0	10	5	0	13	2	8½	26	606	13	4	30	6	8	7	11	8
3	2	0	17	11	1	21	0	10	2½	0	12	2	6	27	630	0	0	31	10	0	7	17	6
3	1	0	17	8½	1	20	0	10	0	0	11	2	3½	28	653	6	8	32	13	4	8	3	4
3	0	0	17	6	1	19	0	9	9½	0	10	2	1	29	676	13	4	33	16	8	8	9	2
2	27	0	17	3½	1	18	0	9	7	0	9	1	10½	30	700	0	0	35	0	0	8	15	0
2	26	0	17	1	1	17	0	9	4½	0	8	1	8	31	723	6	8	36	3	4	9	0	10
2	25	0	16	10½	1	16	0	9	2	0	7	1	5½	32	746	13	4	37	6	8	9	6	8
2	24	0	16	8	1	15	0	8	11½	0	6	1	3	33	770	0	0	38	10	0	9	12	6
2	23	0	16	5½	1	14	0	8	9	0	5	1	0½	34	793	6	8	39	13	4	9	18	4
2	22	0	16	3	1	13	0	8	6½	0	4	0	10	35	816	13	4	40	16	8	10	4	2
2	21	0	16	0½	1	12	0	8	4	0	3	0	7½	36	840	0	0	42	0	0	10	10	0
2	20	0	15	10	1	11	0	8	1½	0	2	0	5	37	863	6	8	43	3	4	10	15	10
2	19	0	15	7½	1	10	0	7	11	0	1	0	2½	38	886	13	4	44	6	8	11	1	8

Note—2½*d.* per lb.

£23 10s. per ton, £1 3s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£23 10s. per ton.			£1 3s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 5s. 10½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.
														2	47	0	0	2	0	0
3	27	1	3	3¼	2	18	0	15	6¼	1	9	7	9	3	70	10	0	3	10	6	0	17	7½
3	26	1	3	1	2	17	0	15	3½	1	8	7	6½	4	94	0	0	4	14	0	1	3	6
3	25	1	2	10½	2	16	0	15	1¼	1	7	7	4	5	117	10	0	5	17	6	1	9	4½
3	24	1	2	8	2	15	0	14	10½	1	6	7	1½	6	141	0	0	7	1	0	1	15	3
3	23	1	2	5½	2	14	0	14	8¼	1	5	6	11	7	164	10	0	8	4	6	2	1	1½
3	22	1	2	3	2	13	0	14	5¾	1	4	6	8½	8	188	0	0	9	8	0	2	7	0
3	21	1	2	0½	2	12	0	14	3	1	3	6	6	9	211	10	0	10	11	6	2	12	10½
3	20	1	1	10	2	11	0	14	0⅛	1	2	6	3½	10	235	0	0	11	15	0	2	18	9
3	19	1	1	7½	2	10	0	13	10	1	1	6	1	11	258	10	0	12	18	6	3	4	7½
3	18	1	1	4¾	2	9	0	13	7½	1	0	5	10½	12	282	0	0	14	2	0	3	10	6
3	17	1	1	2¼	2	8	0	13	5	0	27	5	8	13	305	10	0	15	5	6	3	16	4½
3	16	1	0	11¾	2	7	0	13	2½	0	26	5	5½	14	329	0	0	16	9	0	4	2	3
3	15	1	0	9	2	6	0	13	0	0	25	5	3	15	352	10	0	17	12	6	4	8	1½
3	14	1	0	6¼	2	5	0	12	9½	0	24	5	0½	16	376	0	0	18	16	0	4	14	0
3	13	1	0	4	2	4	0	12	7	0	23	4	10	17	399	10	0	19	19	6	4	19	10½
3	12	1	0	1¾	2	3	0	12	4½	0	22	4	7½	18	423	0	0	21	3	0	5	5	9
3	11	0	19	11½	2	2	0	12	2	0	21	4	5	19	446	10	0	22	6	6	5	11	7½
3	10	0	19	8¾	2	1	0	11	11½	0	20	4	2½	20	470	0	0	23	10	0	5	17	6
3	9	0	19	6¼	2	0	0	11	9	0	19	4	0	21	493	10	0	24	13	6	6	3	4½
3	8	0	19	3¾	1	27	0	11	6½	0	18	3	9½	22	517	0	0	25	17	0	6	9	3
3	7	0	19	1¼	1	26	0	11	4	0	17	3	6¾	23	540	10	0	27	0	6	6	15	1½
3	6	0	18	10¾	1	25	0	11	1½	0	16	3	4¼	24	564	0	0	28	4	0	7	1	0
3	5	0	18	8	1	24	0	10	11	0	15	3	1¾	25	587	10	0	29	7	6	7	6	10½
3	4	0	18	5¼	1	23	0	10	8½	0	14	2	11¼	26	611	0	0	30	11	0	7	12	9
3	3	0	18	3	1	22	0	10	6	0	13	2	8¾	27	634	10	0	31	14	6	7	18	7½
3	2	0	18	0½	1	21	0	10	3½	0	12	2	6	28	658	0	0	32	18	0	8	4	6
3	1	0	17	10	1	20	0	10	1	0	11	2	3½	29	681	10	0	34	1	6	8	10	4½
3	0	0	17	7¾	1	19	0	9	10½	0	10	2	1	30	705	0	0	35	5	0	8	16	3
2	27	0	17	5	1	18	0	9	8	0	9	1	10½	31	728	10	0	36	8	6	9	2	1½
2	26	0	17	2½	1	17	0	9	5½	0	8	1	8	32	752	0	0	37	12	0	9	8	0
2	25	0	17	0	1	16	0	9	3	0	7	1	5½	33	775	10	0	38	15	6	9	13	10½
2	24	0	16	9¾	1	15	0	9	0½	0	6	1	3	34	799	0	0	39	19	0	9	19	9
2	23	0	16	7	1	14	0	8	9¾	0	5	1	0½	35	822	10	0	41	2	6	10	5	7½
2	22	0	16	4½	1	13	0	8	7	0	4	0	10	36	846	0	0	42	6	0	10	11	6
2	21	0	16	2	1	12	0	8	4½	0	3	0	7½	37	869	10	0	43	9	6	10	17	4½
2	20	0	15	11½	1	11	0	8	2	0	2	0	5	38	893	0	0	44	13	0	11	3	3
2	19	0	15	9	1	10	0	7	11⅔	0	1	0	2½										

£24 per ton, £1 4s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£24 per ton.			£1 4s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day ¼ yard, average &c.,		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	3	9½	2	18	0	15	10½	1	9	7	11½	2	48	0	0	2	8	0	0	12	0
3	26	1	3	7	2	17	0	15	8	1	8	7	8½	3	72	0	0	3	12	0	0	18	0
3	25	1	3	4½	2	16	0	15	5½	1	7	7	6	4	96	0	0	4	16	0	1	4	0
3	24	1	3	2	2	15	0	15	2¾	1	6	7	3½	5	120	0	0	6	0	0	1	10	0
3	23	1	2	11½	2	14	0	15	0	1	5	7	1	6	144	0	0	7	4	0	1	16	0
3	22	1	2	8½	2	13	0	14	9½	1	4	6	10½	7	168	0	0	8	8	0	2	2	0
3	21	1	2	6	2	12	0	14	7	1	3	6	8	8	192	0	0	9	12	0	2	8	0
3	20	1	2	3½	2	11	0	14	4½	1	2	6	5½	9	216	0	0	10	16	0	2	14	0
3	19	1	2	1	2	10	0	14	2	1	1	6	2¾	10	240	0	0	12	0	0	3	0	0
3	18	1	1	10½	2	9	0	13	11¼	1	0	6	0	11	264	0	0	13	4	0	3	6	0
3	17	1	1	8	2	8	0	13	8½	0	27	5	9½	12	288	0	0	14	8	0	3	12	0
3	16	1	1	5½	2	7	0	13	6	0	26	5	7	13	312	0	0	15	12	0	3	18	0
3	15	1	1	2¾	2	6	0	13	3½	0	25	5	4½	14	336	0	0	16	16	0	4	4	0
3	14	1	1	0	2	5	0	13	1	0	24	5	2	15	360	0	0	18	0	0	4	10	0
3	13	1	0	9½	2	4	0	12	10½	0	23	4	11¼	16	384	0	0	19	4	0	4	16	0
3	12	1	0	7	2	3	0	12	8	0	22	4	8½	17	408	0	0	20	8	0	5	2	0
3	11	1	0	4½	2	2	0	12	5½	0	21	4	6	18	432	0	0	21	12	0	5	8	0
3	10	1	0	2	2	1	0	12	2¾	0	20	4	3½	19	456	0	0	22	16	0	5	14	0
3	9	0	19	11½	2	0	0	12	0	0	19	4	1	20	480	0	0	24	0	0	6	0	0
3	8	0	19	8½	1	27	0	11	9½	0	18	3	10½	21	504	0	0	25	4	0	6	6	0
3	7	0	19	6	1	26	0	11	7	0	17	3	7½	22	528	0	0	26	8	0	6	12	0
3	6	0	19	3½	1	25	0	11	4½	0	16	3	5	23	552	0	0	27	12	0	6	18	0
3	5	0	19	1	1	24	0	11	2	0	15	3	2½	24	576	0	0	28	16	0	7	4	0
3	4	0	18	10½	1	23	0	10	11¼	0	14	3	0	25	600	0	0	30	0	0	7	10	0
3	3	0	18	8	1	22	0	10	8½	0	13	2	9½	26	624	0	0	31	4	0	7	16	0
3	2	0	18	5½	1	21	0	10	6	0	12	2	7	27	648	0	0	32	8	0	8	2	0
3	1	0	18	2¾	1	20	0	10	3½	0	11	2	4½	28	672	0	0	33	12	0	8	8	0
3	0	0	18	0	1	19	0	10	1	0	10	2	2	29	696	0	0	34	16	0	8	14	0
2	27	0	17	9½	1	18	0	9	10½	0	9	1	11¼	30	720	0	0	36	0	0	9	0	0
2	26	0	17	7	1	17	0	9	8	0	8	1	8½	31	744	0	0	37	4	0	9	6	0
2	25	0	17	4½	1	16	0	9	5½	0	7	1	6	32	768	0	0	38	8	0	9	12	0
2	24	0	17	2	1	15	0	9	2¾	0	6	1	3½	33	792	0	0	39	12	0	9	18	0
2	23	0	16	11½	1	14	0	9	0	0	5	1	1	34	816	0	0	40	16	0	10	4	0
2	22	0	16	9	1	13	0	8	9½	0	4	0	10¼	35	840	0	0	42	0	0	10	10	0
2	21	0	16	6½	1	12	0	8	7	0	3	0	7½	36	864	0	0	43	4	0	10	16	0
2	20	0	16	4	1	11	0	8	4½	0	2	0	5	37	888	0	0	44	8	0	11	2	0
2	19	0	16	1½	1	10	0	8	2	0	1	0	2½	38	912	0	0	45	12	0	11	8	0

£29 per ton, £1 9s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£29 per ton.			£1 9s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 7s. 8d.		
qr.	lb	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	8	9	2	18	0	19	1½	1	9	9	6¾	2	58	0	0	2	18	0	0	14	6
3	26	1	8	5¾	2	17	0	18	10½	1	8	9	3¾	3	87	0	0	4	7	0	1	1	9
3	25	1	8	2¾	2	16	0	18	7½	1	7	9	0½	4	116	0	0	5	16	0	1	9	0
3	24	1	7	11½	2	15	0	18	4½	1	6	8	9½	5	145	0	0	7	5	0	1	16	3
3	23	1	7	8½	2	14	0	18	1½	1	5	8	6¼	6	174	0	0	8	14	0	2	3	6
3	22	1	7	5½	2	13	0	17	10½	1	4	8	3¾	7	203	0	0	10	3	0	2	10	9
3	21	1	7	2½	2	12	0	17	7½	1	3	8	0	8	232	0	0	11	12	0	2	18	0
3	20	1	6	11	2	11	0	17	4	1	2	7	9	9	261	0	0	13	1	0	3	5	3
3	19	1	6	8	2	10	0	17	1	1	1	7	6	10	290	0	0	14	10	0	3	12	6
3	18	1	6	4¾	2	9	0	16	10	1	0	7	3	11	319	0	0	15	19	0	3	19	9
3	17	1	6	1¾	2	8	0	16	6¾	0	27	7	0	12	348	0	0	17	8	0	4	7	0
3	16	1	5	10½	2	7	0	16	3¾	0	26	6	8¾	13	377	0	0	18	17	0	4	14	3
3	15	1	5	7½	2	6	0	16	0½	0	25	6	5¾	14	406	0	0	20	6	0	5	1	6
3	14	1	5	4½	2	5	0	15	9½	0	24	6	2½	15	435	0	0	21	15	0	5	8	9
3	13	1	5	1½	2	4	0	15	6¼	0	23	5	11½	16	464	0	0	23	4	0	5	16	0
3	12	1	4	10	2	3	0	15	3	0	22	5	8¼	17	493	0	0	24	13	0	6	3	3
3	11	1	4	7	2	2	0	15	0	0	21	5	5¼	18	522	0	0	26	2	0	6	10	6
3	10	1	4	3¾	2	1	0	14	9	0	20	5	2	19	551	0	0	27	11	0	6	17	9
3	9	1	4	0½	2	0	0	14	6	0	19	4	10¾	20	580	0	0	29	0	0	7	5	0
3	8	1	3	9¼	1	27	0	14	3	0	18	4	7¾	21	609	0	0	30	9	0	7	12	3
3	7	1	3	6¼	1	26	0	14	0	0	17	4	4¾	22	638	0	0	31	18	0	7	19	6
3	6	1	3	3	1	25	0	13	8¾	0	16	4	1½	23	667	0	0	33	7	0	8	6	9
3	5	1	3	0	1	24	0	13	5¾	0	15	3	10½	24	696	0	0	34	16	0	8	14	0
3	4	1	2	9	1	23	0	13	2½	0	14	3	7¼	25	725	0	0	36	5	0	9	1	3
3	3	1	2	6	1	22	0	12	11¼	0	13	3	4¼	26	754	0	0	37	14	0	9	8	6
3	2	1	2	3	1	21	0	12	8¼	0	12	3	1¼	27	783	0	0	39	3	0	9	15	9
3	1	1	2	0	1	20	0	12	5	0	11	2	10	28	812	0	0	40	12	0	10	3	0
3	0	1	1	9	1	19	0	12	2	0	10	2	6¾	29	841	0	0	42	1	0	10	10	3
2	27	1	1	6	1	18	0	11	11	0	9	2	3¾	30	870	0	0	43	10	0	10	17	6
2	26	1	1	2¾	1	17	0	11	7¾	0	8	2	0½	31	899	0	0	44	19	0	11	4	9
2	25	1	0	11½	1	16	0	11	4½	0	7	1	9½	32	928	0	0	46	8	0	11	12	0
2	24	1	0	8½	1	15	0	11	1½	0	6	1	6½	33	957	0	0	47	17	0	11	19	3
2	23	1	0	5½	1	14	0	10	10½	0	5	1	3½	34	986	0	0	49	6	0	12	6	6
2	22	1	0	2½	1	13	0	10	7½	0	4	1	0½	35	1015	0	0	50	15	0	12	13	9
2	21	0	19	11	1	12	0	10	4	0	3	0	9½	36	1044	0	0	52	4	0	13	1	0
2	20	0	19	7¾	1	11	0	10	1	0	2	0	6	37	1073	0	0	53	13	0	13	8	3
2	19	0	19	4¾	1	10	0	9	10	0	1	0	3	38	1102	0	0	55	2	0	13	15	6

£29 10s. per ton, £1 9s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£29 10s. per ton.			£1 9s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, av. 7s. 4½d.		
qr.	lb.	£	s.	d.	qr.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	9	3	2	18	0	19	6	1	9	9	2	59	0	0	2	19	0	0	14	9
3	26	1	8	11½	2	17	0	19	2½	1	8	9	5½	3	88	10	0	4	8	6	1	2	1½
3	25	1	8	8½	2	16	0	18	11½	1	7	9	2½	4	118	0	0	5	18	0	1	9	6
3	24	1	8	5½	2	15	0	18	8½	1	6	8	11½	5	147	10	0	7	7	6	1	16	10½
3	23	1	8	2½	2	14	0	18	5½	1	5	8	8½	6	177	0	0	8	17	0	2	4	3
3	22	1	7	11½	2	13	0	18	2	1	4	8	5	7	206	10	0	10	6	6	2	11	7½
3	21	1	7	8	2	12	0	17	11	1	3	8	1½	8	236	0	0	11	16	0	2	19	0
3	20	1	7	5	2	11	0	17	8½	1	2	7	10½	9	265	10	0	13	5	6	3	6	4½
3	19	1	7	1½	2	10	0	17	5½	1	1	7	7½	10	295	0	0	14	15	0	3	13	9
3	18	1	6	10½	2	9	0	17	2½	1	0	7	4½	11	324	10	0	16	4	6	4	1	1½
3	17	1	6	7½	2	8	0	16	11½	0	27	7	1½	12	354	0	0	17	14	0	4	8	6
3	16	1	6	4	2	7	0	16	8	0	26	6	10	13	383	10	0	19	3	6	4	15	10½
3	15	1	6	0½	2	6	0	16	4½	0	25	6	7	14	413	0	0	20	13	0	5	3	3
3	14	1	5	9½	2	5	0	16	1½	0	24	6	3½	15	442	10	0	22	2	6	5	10	7½
3	13	1	5	6½	2	4	0	15	10½	0	23	6	0½	16	472	0	0	23	12	0	5	18	0
3	12	1	5	3½	2	3	0	15	7	0	22	5	9½	17	501	10	0	25	1	6	6	5	4½
3	11	1	5	0½	2	2	0	15	8½	0	21	5	6	18	531	0	0	26	11	0	6	12	9
3	10	1	4	9	2	1	0	15	0½	0	20	5	3	19	560	10	0	28	0	6	7	0	1½
3	9	1	4	5½	2	0	0	14	9	0	19	4	11½	20	590	0	0	29	10	0	7	7	6
3	8	1	4	2½	1	27	0	14	5½	0	18	4	8½	21	619	10	0	30	19	6	7	14	10½
3	7	1	3	11½	1	26	0	14	2½	0	17	4	5½	22	649	0	0	32	9	0	8	2	3
3	6	1	3	8½	1	25	0	13	11½	0	16	4	2½	23	678	10	0	33	18	6	8	9	7½
3	5	1	3	5½	1	24	0	13	8½	0	15	3	11½	24	708	0	0	35	8	0	8	17	0
3	4	1	3	2	1	23	0	13	5½	0	14	3	8½	25	737	10	0	36	17	6	9	4	4½
3	3	1	2	10½	1	22	0	13	2	0	13	3	5	26	767	0	0	38	7	0	9	11	9
3	2	1	2	7½	1	21	0	12	11	0	12	3	1½	27	796	10	0	39	16	6	9	19	1½
3	1	1	2	4½	1	20	0	12	7½	0	11	2	10½	28	826	0	0	41	6	0	10	6	6
3	0	1	2	1½	1	19	0	12	4½	0	10	2	7½	29	855	10	0	42	15	6	10	13	10½
2	27	1	1	10½	1	18	0	12	1½	0	9	2	4½	30	885	0	0	44	5	0	11	1	3
2	26	1	1	7	1	17	0	11	10½	0	8	2	1	31	914	10	0	45	14	6	11	8	7½
2	25	1	1	4	1	16	0	11	7	0	7	1	9½	32	944	0	0	47	4	0	11	16	0
2	24	1	1	0½	1	15	0	11	3½	0	6	1	6½	33	973	10	0	48	13	6	12	3	4½
2	23	1	0	9½	1	14	0	11	0½	0	5	1	3	34	1003	0	0	50	3	0	12	10	9
2	22	1	0	6½	1	13	0	10	9½	0	4	1	0½	35	1032	10	0	51	12	6	12	18	1½
2	21	1	0	3½	1	12	0	10	6½	0	3	0	9½	36	1062	0	0	53	2	0	13	5	6
2	20	1	0	0½	1	11	0	10	3½	0	2	0	6	37	1091	10	0	54	11	6	13	12	10½
2	19	0	19	9	1	10	0	10	0	0	1	0	3	38	1121	0	0	56	1	0	14	0	3

£30 per ton, £1 10s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£30 per ton.			£1 10s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 7s. 6d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	9	9	2	18	0	19	9¼	1	9	9	10¾	2	60	0	0	3	0	0
3	26	1	9	5¾	2	17	0	19	6¼	1	8	9	7½	3	90	0	0	4	10	0
3	25	1	9	2½	2	16	0	19	3	1	7	9	4¼	4	120	0	0	6	0	0
3	24	1	8	11¼	2	15	0	19	0	1	6	9	1	5	150	0	0	7	10	0
3	23	1	8	8	2	14	0	18	9	1	5	8	9¾	6	180	0	0	9	0	0
3	22	1	8	5	2	13	0	18	5¾	1	4	8	6½	7	210	0	0	10	10	0
3	21	1	8	1¾	2	12	0	18	2½	1	3	8	3¼	8	240	0	0	12	0	0
3	20	1	7	10½	2	11	0	17	11¼	1	2	8	0	9	270	0	0	13	10	0
3	19	1	7	7¼	2	10	0	17	8	1	1	7	9	10	300	0	0	15	0	0
3	18	1	7	4	2	9	0	17	4¾	1	0	7	6	11	330	0	0	16	10	0
3	17	1	7	0¾	2	8	0	17	1½	0	27	7	2¾	12	360	0	0	18	0	0
3	16	1	6	9¾	2	7	0	16	10¼	0	26	6	11¼	13	390	0	0	19	10	0
3	15	1	6	6¼	2	6	0	16	7	0	25	6	8¼	14	420	0	0	21	0	0
3	14	1	6	3	2	5	0	16	3¾	0	24	6	5	15	450	0	0	22	10	0
3	13	1	5	11¾	2	4	0	16	0¾	0	23	6	1¾	16	480	0	0	24	0	0
3	12	1	5	8¼	2	3	0	15	9¼	0	22	5	10¼	17	510	0	0	25	10	0
3	11	1	5	5¼	2	2	0	15	6	0	21	5	7¼	18	540	0	0	27	0	0
3	10	1	5	2	2	1	0	15	8	0	20	5	4	19	570	0	0	28	10	0
3	9	1	4	10¾	2	0	0	15	0	0	19	5	0¾	20	600	0	0	30	0	0
3	8	1	4	7¼	1	27	0	14	8¾	0	18	4	9¼	21	630	0	0	31	10	0
3	7	1	4	4¼	1	26	0	14	5¼	0	17	4	6¼	22	660	0	0	33	0	0
3	6	1	4	1	1	25	0	14	2¼	0	16	4	3	23	690	0	0	34	10	0
3	5	1	3	9¾	1	24	0	13	11	0	15	4	0	24	720	0	0	36	0	0
3	4	1	3	6¼	1	23	0	13	8	0	14	3	9	25	750	0	0	37	10	0
3	3	1	3	3¼	1	22	0	13	4¾	0	13	3	5¾	26	780	0	0	39	0	0
3	2	1	3	0	1	21	0	13	1¼	0	12	3	2¼	27	810	0	0	40	10	0
3	1	1	2	9	1	20	0	12	10¼	0	11	2	11¼	28	840	0	0	42	0	0
3	0	1	2	6	1	19	0	12	7	0	10	2	8	29	870	0	0	43	10	0
2	27	1	2	2¾	1	18	0	12	3¾	0	9	2	4¾	30	900	0	0	45	0	0
2	26	1	1	11¼	1	17	0	12	0¼	0	8	2	1¼	31	930	0	0	46	10	0
2	25	1	1	8¼	1	16	0	11	9¼	0	7	1	10¼	32	960	0	0	48	0	0
2	24	1	1	5	1	15	0	11	6	0	6	1	7	33	990	0	0	49	10	0
2	23	1	1	1¾	1	14	0	11	3	0	5	1	4	34	1020	0	0	51	0	0
2	22	1	0	10½	1	13	0	10	11¾	0	4	1	0¾	35	1050	0	0	52	10	0
2	21	1	0	7¼	1	12	0	10	8¼	0	3	0	9¼	36	1080	0	0	54	0	0
2	20	1	0	4	1	11	0	10	5¼	0	2	0	6¼	37	1110	0	0	56	10	0
2	19	1	0	0¾	1	10	0	10	2	0	1	0	3	38	1140	0	0	57	0	0

£30 6s. 8d. per ton, £1 10s. 4d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£30 6s. 8d per ton.			£1 10s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, aver. 7s. 7d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			s.	d.	£	s.	d.	£	s.	d.
3	27	1	10	0¾	2	18	1	0	0¼	1	9	10	0¼	2	60	13	4	3	0	8	0	15	2
3	26	1	9	9½	2	17	0	19	9½	1	8	9	9	3	91	0	0	4	11	0	1	2	9
3	25	1	9	6¼	2	16	0	19	6	1	7	9	5¾	4	121	6	8	6	1	4	1	10	4
3	24	1	9	3	2	15	0	19	2¾	1	6	9	2½	5	151	13	4	7	11	8	1	17	11
3	23	1	8	11¾	2	14	0	18	11½	1	5	8	11¼	6	182	0	0	9	2	0	2	5	6
3	22	1	8	8½	2	13	0	18	8¼	1	4	8	8	7	212	6	8	10	12	4	2	13	1
3	21	1	8	5¼	2	12	0	18	5	1	3	8	4¾	8	242	13	4	12	2	8	3	0	8
3	20	1	8	2	2	11	0	18	1¾	1	2	8	1½	9	273	0	0	13	13	0	3	8	3
3	19	1	7	10¾	2	10	0	17	10½	1	1	7	10¼	10	303	6	8	15	3	4	3	15	10
3	18	1	7	7½	2	9	0	17	7¼	1	0	7	7	11	333	13	4	16	13	8	4	3	5
3	17	1	7	4¼	2	8	0	17	4	0	27	7	3¾	12	364	0	0	18	4	0	4	11	0
3	16	1	7	1	2	7	0	17	0¾	0	26	7	0½	13	394	6	8	19	14	4	4	18	7
3	15	1	6	9¾	2	6	0	16	9½	0	25	6	9¼	14	424	13	4	21	4	8	5	6	2
3	14	1	6	6¼	2	5	0	16	6¼	0	24	6	6	15	455	0	0	22	15	0	5	13	9
3	13	1	6	3¼	2	4	0	16	3	0	23	6	2¾	16	485	6	8	24	5	4	6	1	4
3	12	1	6	0	2	3	0	15	11¾	0	22	5	11¼	17	515	13	4	25	15	8	6	8	11
3	11	1	5	8¾	2	2	0	15	8½	0	21	5	8¼	18	546	0	0	27	6	0	6	16	6
3	10	1	5	5¼	2	1	0	15	5¼	0	20	5	5	19	576	6	8	28	16	4	7	4	1
3	9	1	5	2¼	2	0	0	15	2	0	19	5	1¾	20	606	13	4	30	6	8	7	11	8
3	8	1	4	11	1	27	0	14	10¾	0	18	4	10½	21	637	0	0	31	17	0	7	19	3
3	7	1	4	7¾	1	26	0	14	7½	0	17	4	7¼	22	667	6	8	33	7	4	8	6	10
3	6	1	4	4¼	1	25	0	14	4¼	0	16	4	4	23	697	13	4	34	17	8	8	14	5
3	5	1	4	1¼	1	24	0	14	1	0	15	4	0¾	24	728	0	0	36	8	0	9	2	0
3	4	1	3	10	1	23	0	13	9¾	0	14	3	9½	25	758	6	8	37	18	4	9	9	7
3	3	1	3	6¾	1	22	0	13	6¼	0	13	3	6¼	26	788	13	4	39	8	8	9	17	2
3	2	1	3	3¼	1	21	0	13	3¼	0	12	3	3	27	819	0	0	40	19	0	10	4	9
3	1	1	3	0¼	1	20	0	13	0	0	11	2	11¾	28	849	6	8	42	9	4	10	12	4
3	0	1	2	9	1	19	0	12	8¾	0	10	2	8½	29	879	13	4	43	19	8	10	19	11
2	27	1	2	5¾	1	18	0	12	5¼	0	9	2	5¼	30	910	0	0	45	10	0	11	7	6
2	26	1	2	2¼	1	17	0	12	2¼	0	8	2	2	31	940	6	8	47	0	4	11	15	1
2	25	1	1	11¼	1	16	0	11	11	0	7	1	10¾	32	970	13	4	48	10	8	12	2	8
2	24	1	1	8	1	15	0	11	7¾	0	6	1	7¼	33	1001	0	0	50	1	0	12	10	3
2	23	1	1	4¾	1	14	0	11	4¼	0	5	1	4¼	34	1031	6	8	51	11	4	12	17	10
2	22	1	1	1¼	1	13	0	11	1¼	0	4	1	1	35	1061	13	4	56	1	8	13	5	5
2	21	1	0	10¼	1	12	0	10	10	0	3	0	9¾	36	1092	0	0	54	12	0	13	13	0
2	20	1	0	7	1	11	0	10	6¾	0	2	0	6¼	37	1122	6	8	56	2	4	14	0	7
2	19	1	0	3¾	1	10	0	10	3¼	0	1	0	3¼	38	1152	13	4	57	12	8	14	8	2

Note—3¼*d.* per lb.

£30 10s. per ton, £1 10s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£30 10s. per ton.			£1 10s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 7s. 7½d.		
qr.lb.	£	s.	d.	qr.lb.	£	s.	d.	qr.lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3 27	1	10	2⅜	2 18	1	0	2	1 9	10	1	2	61	0	0	3	1	0	0	15	3
3 26	1	9	11½	2 17	0	19	10⅜	1 8	9	9⅜	3	91	10	0	4	11	6	1	2	10½
3 25	1	9	8¼	2 16	0	19	7½	1 7	9	6½	4	122	0	0	6	2	0	1	10	6
3 24	1	9	5	2 15	0	19	4	1 6	9	3½	5	152	10	0	7	12	6	1	18	1½
3 23	1	9	1⅜	2 14	0	19	0⅜	1 5	9	0	6	183	0	0	9	3	0	2	5	9
3 22	1	8	10½	2 13	0	18	9½	1 4	8	8⅜	7	213	10	0	10	13	6	2	13	4½
3 21	1	8	7	2 12	0	18	6½	1 3	8	5½	8	244	0	0	12	4	0	3	1	0
3 20	1	8	3⅜	2 11	0	18	3	1 2	8	2½	9	274	10	0	13	14	6	3	8	7½
3 19	1	8	0⅛	2 10	0	17	11⅜	1 1	7	11	10	305	0	0	15	5	0	3	16	3
3 18	1	7	9½	2 9	0	17	8½	1 0	7	7½	11	335	10	0	16	15	6	4	3	10½
3 17	1	7	6	2 8	0	17	5½	0 27	7	4½	12	366	0	0	18	6	0	4	11	6
3 16	1	7	2⅜	2 7	0	17	2	0 26	7	1	13	396	10	0	19	16	6	4	19	1½
3 15	1	6	11⅛	2 6	0	16	10⅜	0 25	6	9⅜	14	427	0	0	21	7	0	5	6	9
3 14	1	6	8¼	2 5	0	16	7½	0 24	6	6½	15	457	10	0	22	17	6	5	14	4½
3 13	1	6	5	2 4	0	16	4¼	0 23	6	3½	16	488	0	0	24	8	0	6	2	0
3 12	1	6	1⅜	2 3	0	16	1	0 22	6	0	17	518	10	0	25	18	6	6	9	7½
3 11	1	5	10⅛	2 2	0	15	9⅜	0 21	5	8⅜	18	549	0	0	27	9	0	6	17	3
3 10	1	5	7½	2 1	0	15	6½	0 20	5	5½	19	579	10	0	28	19	6	7	4	10½
3 9	1	5	4	2 0	0	15	3	0 19	5	2½	20	610	0	0	30	10	0	7	12	6
3 8	1	5	0⅜	1 27	0	14	11⅜	0 18	4	11	21	640	10	0	32	0	6	8	0	1½
3 7	1	4	9½	1 26	0	14	8½	0 17	4	7⅜	22	671	0	0	33	11	0	8	7	9
3 6	1	4	6	1 25	0	14	5½	0 16	4	4½	23	701	10	0	35	1	6	8	15	4½
3 5	1	4	2⅜	1 24	0	14	2	0 15	4	1½	24	732	0	0	36	12	0	9	3	0
3 4	1	3	11½	1 23	0	13	10⅜	0 14	3	9⅜	25	762	10	0	38	2	6	9	10	7½
3 3	1	3	8¼	1 22	0	13	7½	0 13	3	6½	26	793	0	0	39	13	0	9	18	3
3 2	1	3	5	1 21	0	13	4½	0 12	3	3½	27	823	10	0	41	3	6	10	5	10½
3 1	1	3	1⅜	1 20	0	13	1	0 11	3	0	28	854	0	0	42	14	0	10	13	6
3 0	1	2	10½	1 19	0	12	9⅜	0 10	2	8⅜	29	884	10	0	44	4	6	11	1	1½
2 27	1	2	7½	1 18	0	12	6½	0 9	2	5½	30	915	0	0	45	15	0	11	8	9
2 26	1	2	4	1 17	0	12	3½	0 8	2	2½	31	945	10	0	47	5	6	11	16	4½
2 25	1	2	0⅜	1 16	0	12	0	0 7	1	11	32	976	0	0	48	16	0	12	4	0
2 24	1	1	9½	1 15	0	11	8⅜	0 6	1	7⅜	33	1006	10	0	50	6	6	12	11	7½
2 23	1	1	6¼	1 14	0	11	5¼	0 5	1	4½	34	1037	0	0	51	17	0	12	19	3
2 22	1	1	3	1 13	0	11	2	0 4	1	1½	35	1067	10	0	53	7	6	13	6	10½
2 21	1	0	11⅜	1 12	0	10	10⅜	0 3	0	10	36	1098	0	0	54	18	0	13	14	6
2 20	1	0	8¼	1 11	0	10	7½	0 2	0	6½	37	1128	10	0	56	8	6	14	2	1½
2 19	1	0	5⅛	1 10	0	10	4½	0 1	0	3½	38	1159	0	0	57	19	0	14	9	9

£31 per ton, £1 11s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£31 per ton.			£1 11s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yard, average 7s. 9d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	10	7¾	2	18	1	0	5¾	1	9	10	3	2	62	0	0	3	2	0	0	15	6
3	26	1	10	4½	2	17	1	0	2½	1	8	9	11¾	3	93	0	0	4	13	0	1	3	3
3	25	1	10	1¼	2	16	0	19	11	1	7	9	8½	4	124	0	0	6	4	0	1	11	0
3	24	1	9	10	2	15	0	19	7¾	1	6	9	5	5	155	0	0	7	15	0	1	18	9
3	23	1	9	6¾	2	14	0	19	4½	1	5	9	1¾	6	186	0	0	9	6	0	2	6	6
3	22	1	9	3½	2	13	0	19	1	1	4	8	10¼	7	217	0	0	10	17	0	2	14	3
3	21	1	9	0¼	2	12	0	18	9¾	1	3	8	7	8	248	0	0	12	8	0	3	2	0
3	20	1	8	9	2	11	0	18	6¼	1	2	8	3½	9	279	0	0	13	19	0	3	9	9
3	19	1	8	5¾	2	10	0	18	3¼	1	1	8	0¼	10	310	0	0	15	10	0	3	17	6
3	18	1	8	2½	2	9	0	18	0	1	0	7	9	11	341	0	0	17	1	0	4	5	3
3	17	1	7	11¼	2	8	0	17	8¼	0	27	7	5¾	12	372	0	0	18	12	0	4	13	0
3	16	1	7	8	2	7	0	17	5	0	26	7	2½	13	403	0	0	20	3	0	5	0	9
3	15	1	7	4¾	2	6	0	17	1¾	0	25	6	11	14	434	0	0	21	14	0	5	8	6
3	14	1	7	1½	2	5	0	16	10¼	0	24	6	7¾	15	465	0	0	23	5	0	5	16	3
3	13	1	6	10¼	2	4	0	16	7	0	23	6	4½	16	496	0	0	24	16	0	6	4	0
3	12	1	6	7	2	3	0	16	3¾	0	22	6	1¼	17	527	0	0	26	7	0	6	11	9
3	11	1	6	3¾	2	2	0	16	0¼	0	21	5	10	18	558	0	0	27	18	0	6	19	6
3	10	1	6	0½	2	1	0	15	9¼	0	20	5	6¾	19	589	0	0	29	9	0	7	7	3
3	9	1	5	9¼	2	0	0	15	6	0	19	5	3¼	20	620	0	0	31	0	0	7	15	0
3	8	1	5	6	1	27	0	15	2¾	0	18	5	0	21	651	0	0	32	11	0	8	2	9
3	7	1	5	2¾	1	26	0	14	11½	0	17	4	8¾	22	682	0	0	34	2	0	8	10	6
3	6	1	4	11¼	1	25	0	14	8	0	16	4	5½	23	713	0	0	35	13	0	8	18	3
3	5	1	4	8	1	24	0	14	4¾	0	15	4	2	24	744	0	0	37	4	0	9	6	0
3	4	1	4	4½	1	23	0	14	1¾	0	14	3	10½	25	775	0	0	38	15	0	9	13	9
3	3	1	4	1	1	22	0	13	10	0	13	3	7	26	806	0	0	40	6	0	10	1	6
3	2	1	3	9¼	1	21	0	13	6¾	0	12	3	3¾	27	837	0	0	41	17	0	10	9	3
3	1	1	3	6¼	1	20	0	13	3½	0	11	3	0½	28	868	0	0	43	8	0	10	17	0
3	0	1	3	3	1	19	0	13	0	0	10	2	9¼	29	899	0	0	44	19	0	11	4	9
2	27	1	2	11¾	1	18	0	12	8¾	0	9	2	6	30	930	0	0	46	10	0	11	12	6
2	26	1	2	8½	1	17	0	12	5½	0	8	2	2¾	31	961	0	0	48	1	0	12	0	3
2	25	1	2	5	1	16	0	12	2	0	7	1	11¼	32	992	0	0	49	12	0	12	8	0
2	24	1	2	1¾	1	15	0	11	10¾	0	6	1	8¼	33	1023	0	0	51	3	0	12	15	9
2	23	1	1	10½	1	14	0	11	7½	0	5	1	5	34	1054	0	0	52	14	0	13	3	6
2	22	1	1	7	1	13	0	11	4	0	4	1	1½	35	1085	0	0	54	5	0	13	11	3
2	21	1	1	3¾	1	12	0	11	0¾	0	3	0	10	36	1116	0	0	55	16	0	13	19	0
2	20	1	1	0¾	1	11	0	10	9½	0	2	0	6½	37	1147	0	0	57	7	0	14	6	9
2	19	1	0	9	1	10	0	10	6¼	0	1	0	3¼	38	1178	0	0	58	18	0	14	14	6

£31 10*s.* per ton, £1 11*s.* 6*d.* per cwt. Rate per qr. cwt., stone, and lb.										No.	£31 10*s.* per ton.			£1 11*s.* 6*d.* per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 7*s.* 10½*d.*		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	11	2¾	2	18	1	0	9¾	1	9	10	5	2	63	0	0	3	3	0	0	15	9
3	26	1	10	11¼	2	17	1	0	6¼	1	8	10	1¾	3	94	10	0	4	14	6	1	3	7½
3	25	1	10	8	2	16	1	0	2¾	1	7	9	10¼	4	126	0	0	6	6	0	1	11	6
3	24	1	10	4¾	2	15	0	19	11½	1	6	9	7	5	157	10	0	7	17	6	1	19	4½
3	23	1	10	1⅛	2	14	0	19	8¼	1	5	9	3½	6	189	0	0	9	9	0	2	7	3
3	22	1	9	10	2	13	0	19	5	1	4	9	0	7	220	10	0	11	0	6	2	15	1½
3	21	1	9	6¾	2	12	0	19	1½	1	3	8	8½	8	252	0	0	12	12	0	3	3	0
3	20	1	9	3⅜	2	11	0	18	10	1	2	8	5	9	283	10	0	14	3	6	3	10	10½
3	19	1	9	0	2	10	0	18	6¾	1	1	8	1¾	10	315	0	0	15	15	0	3	18	9
3	18	1	8	8⅝	2	9	0	18	3¼	1	0	7	10½	11	346	10	0	17	6	6	4	6	7½
3	17	1	8	5	2	8	0	18	0	0	27	7	7	12	378	0	0	18	18	0	4	14	6
3	16	1	8	1⅝	2	7	0	17	8⅛	0	26	7	3¾	13	409	10	0	20	9	6	5	2	4½
3	15	1	7	10	2	6	0	17	5	0	25	7	0¼	14	441	0	0	22	1	0	5	10	3
3	14	1	7	6¾	2	5	0	17	1½	0	24	6	9	15	472	10	0	23	12	6	5	18	1½
3	13	1	7	3⅜	2	4	0	16	10½	0	23	6	5½	16	504	0	0	25	4	0	6	6	0
3	12	1	7	0	2	3	0	16	7	0	22	6	2	17	535	10	0	26	15	6	6	13	10½
3	11	1	6	8¾	2	2	0	16	3¾	0	21	5	10½	18	567	0	0	28	7	0	7	1	9
3	10	1	6	5¼	2	1	0	16	0¼	0	20	5	7	19	598	10	0	29	18	6	7	9	7½
3	9	1	6	2	2	0	0	15	9	0	19	5	3½	20	630	0	0	31	10	0	7	17	6
3	8	1	5	10⅝	1	27	0	15	5¾	0	18	5	0¼	21	661	10	0	33	1	6	8	5	4½
3	7	1	5	7¼	1	26	0	15	2¼	0	17	4	9	22	693	0	0	34	13	0	8	13	3
3	6	1	5	4	1	25	0	14	11	0	16	4	5½	23	724	10	0	36	4	6	9	1	1½
3	5	1	5	0⅝	1	24	0	14	7½	0	15	4	2¼	24	756	0	0	37	16	0	9	9	0
3	4	1	4	9¼	1	23	0	14	4	0	14	3	11¼	25	787	10	0	39	7	6	9	16	10½
3	3	1	4	6	1	22	0	14	0½	0	13	3	8	26	819	0	0	40	19	0	10	4	9
3	2	1	4	2⅛	1	21	0	13	9	0	12	3	4¾	27	850	10	0	42	10	6	10	12	7½
3	1	1	3	11	1	20	0	13	5¾	0	11	3	1¼	28	882	0	0	44	2	0	11	0	6
3	0	1	3	7⅛	1	19	0	13	2⅝	0	10	2	10	29	913	10	0	45	13	6	11	8	4½
2	27	1	3	4	1	18	0	12	11	0	9	2	6¾	30	945	0	0	47	5	0	11	16	3
2	26	1	3	0¾	1	17	0	12	7¾	0	8	2	3¼	31	976	10	0	48	16	6	12	4	1½
2	25	1	2	9¼	1	16	0	12	4¼	0	7	2	0	32	1008	0	0	50	8	0	12	12	0
2	24	1	2	6	1	15	0	12	1	0	6	1	8¾	33	1039	10	0	51	19	6	12	19	10½
2	23	1	2	2⅛	1	14	0	11	9¾	0	5	1	5¼	34	1071	0	0	53	11	0	13	7	9
2	22	1	1	11	1	13	0	11	6½	0	4	1	1¾	35	1102	10	0	55	2	6	13	15	7½
2	21	1	1	7¾	1	12	0	11	3¼	0	3	0	10¾	36	1134	0	0	56	14	0	14	3	6
2	20	1	1	4¼	1	11	0	11	0	0	2	0	6¾	37	1165	10	0	58	5	6	14	11	4½
2	19	1	1	1	1	10	0	10	8⅛	0	1	0	3¼	38	1197	0	0	59	17	0	14	19	3

£32 per ton, £1 12s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£32 per ton.			£1 12s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day ¼ yard, average 8s.,		
qr. lb.	£	s.	d.	qr. lb.	£	s.	d.	qr. lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3 27	1	11	8¾	2 18	1	1	2	1 9	10	7	2	64	0	0	3	4	0	0	16	0
3 26	1	11	5¼	2 17	1	0	10½	1 8	10	3½	3	96	0	0	4	16	0	1	4	0
3 25	1	11	2	2 16	1	0	7	1 7	10	0	4	128	0	0	6	8	0	1	12	0
3 24	1	10	10½	2 15	1	0	3½	1 6	9	8¾	5	160	0	0	8	0	0	2	0	0
3 23	1	10	7	2 14	1	0	0	1 5	9	5¼	6	192	0	0	9	12	0	2	8	0
3 22	1	10	3¾	2 13	0	19	8¾	1 4	9	2	7	224	0	0	11	4	0	2	16	0
3 21	1	10	0½	2 12	0	19	5¼	1 3	8	10½	8	256	0	0	12	16	0	3	4	0
3 20	1	9	9	2 11	0	19	2	1 2	8	7	9	288	0	0	14	8	0	3	12	0
3 19	1	9	5¼	2 10	0	18	10½	1 1	8	3½	10	320	0	0	16	0	0	4	0	0
3 18	1	9	2	2 9	0	18	7	1 0	8	0	11	352	0	0	17	12	0	4	8	0
3 17	1	8	10½	2 8	0	18	3½	0 27	7	8¾	12	384	0	0	19	4	0	4	16	0
3 16	1	8	7	2 7	0	18	0	0 26	7	5¼	13	416	0	0	20	16	0	5	4	0
3 15	1	8	3½	2 6	0	17	8¾	0 25	7	2	14	448	0	0	22	8	0	5	12	0
3 14	1	8	0	2 5	0	17	5¼	0 24	6	10½	15	480	0	0	24	0	0	6	0	0
3 13	1	7	8¾	2 4	0	17	2	0 23	6	7	16	512	0	0	25	12	0	6	8	0
3 12	1	7	5¼	2 3	0	16	10½	0 22	6	3½	17	544	0	0	27	4	0	6	16	0
3 11	1	7	2	2 2	0	16	7	0 21	6	0	18	576	0	0	28	16	0	7	4	0
3 10	1	6	10½	2 1	0	16	3½	0 20	5	8¾	19	608	0	0	30	8	0	7	12	0
3 9	1	6	7	2 0	0	16	0	0 19	5	5¼	20	640	0	0	32	0	0	8	0	0
3 8	1	6	3½	1 27	0	15	8¾	0 18	5	2	21	672	0	0	33	12	0	8	8	0
3 7	1	6	0	1 26	0	15	5¼	0 17	4	10½	22	704	0	0	35	4	0	8	16	0
3 6	1	5	8¾	1 25	0	15	2	0 16	4	7	23	736	0	0	36	16	0	9	4	0
3 5	1	5	5¼	1 24	0	14	10½	0 15	4	3½	24	768	0	0	38	8	0	9	12	0
3 4	1	5	2	1 23	0	14	7	0 14	4	0	25	800	0	0	40	0	0	10	0	0
3 3	1	4	10½	1 22	0	14	3½	0 13	3	8¾	26	832	0	0	41	12	0	10	8	0
3 2	1	4	7	1 21	0	14	0	0 12	3	5¼	27	864	0	0	43	4	0	10	16	0
3 1	1	4	3½	1 20	0	13	8¾	0 11	3	2	28	896	0	0	44	16	0	11	4	0
3 0	1	4	0	1 19	0	13	5¼	0 10	2	10½	29	928	0	0	46	8	0	11	12	0
2 27	1	3	8¾	1 18	0	13	2	0 9	2	7	30	960	0	0	48	0	0	12	0	0
2 26	1	3	5¼	1 17	0	12	10½	0 8	2	3½	31	992	0	0	49	12	0	12	8	0
2 25	1	3	2	1 16	0	12	7	0 7	2	0	32	1024	0	0	51	4	0	12	16	0
2 24	1	2	10½	1 15	0	12	3½	0 6	1	8¾	33	1056	0	0	52	16	0	13	4	0
2 23	1	2	7	1 14	0	12	0	0 5	1	5¼	34	1088	0	0	54	8	0	13	12	0
2 22	1	2	3½	1 13	0	11	8¾	0 4	1	2	35	1120	0	0	56	0	0	14	0	0
2 21	1	2	0	1 12	0	11	5¼	0 3	0	10½	36	1152	0	0	57	12	0	14	8	0
2 20	1	1	8¾	1 11	0	11	2	0 2	0	7¾	37	1184	0	0	59	4	0	14	16	0
2 19	1	1	5¼	1 10	0	10	10½	0 1	0	3¼	38	1216	0	0	60	16	0	15	4	0

£32 10s. per ton, £1 12s. 6d. per cwt. Rate per qr. cwt., stone, and lb.										No.	£32 10s. per ton.			£1 12s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 8s. 1½d.		
qr. lb.	£	s.	d.	qr. lb.	£	s.	d.	qr. lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3 27	1	12	2¾	2 18	1	1	5½	1 9	10	9	2	65	0	0	3	5	0	0	16	3
3 26	1	11	11¼	2 17	1	1	2	1 8	10	5½	3	97	10	0	4	17	6	1	4	4½
3 25	1	11	8	2 16	1	0	10½	1 7	10	2	4	130	0	0	6	10	0	1	12	6
3 24	1	11	4½	2 15	1	0	7¼	1 6	9	10½	5	162	10	0	8	2	6	2	0	7½
3 23	1	11	1	2 14	1	0	3¾	1 5	9	7	6	195	0	0	9	15	0	2	8	9
3 22	1	10	9¾	2 13	1	0	0¼	1 4	9	3½	7	227	10	0	11	7	6	2	16	10½
3 21	1	10	6	2 12	0	19	9	1 3	9	0	8	260	0	0	13	0	0	3	5	0
3 20	1	10	2½	2 11	0	19	5½	1 2	8	8½	9	292	10	0	14	12	6	3	13	1½
3 19	1	9	11	2 10	0	19	2	1 1	8	5	10	325	0	0	16	5	0	4	1	3
3 18	1	9	7½	2 9	0	18	10½	1 0	8	1½	11	357	10	0	17	17	6	4	9	4½
3 17	1	9	4	2 8	0	18	7	0 27	7	10	12	390	0	0	19	10	0	4	17	6
3 16	1	9	0½	2 7	0	18	3½	0 26	7	6½	13	422	10	0	21	2	6	5	5	7½
3 15	1	8	8¾	2 6	0	18	0	0 25	7	3	14	455	0	0	22	15	0	5	13	9
3 14	1	8	5¼	2 5	0	17	8½	0 24	6	11½	15	487	10	0	24	7	6	6	1	10½
3 13	1	8	2	2 4	0	17	5	0 23	6	8	16	520	0	0	26	0	0	6	10	0
3 12	1	7	10½	2 3	0	17	1½	0 22	6	4½	17	552	10	0	27	12	6	6	18	1½
3 11	1	7	7	2 2	0	16	10	0 21	6	1	18	585	0	0	29	5	0	7	6	3
3 10	1	7	3¾	2 1	0	16	6¼	0 20	5	9½	19	617	10	0	30	17	6	7	14	4½
3 9	1	7	0	2 0	0	16	3¼	0 19	5	6	20	650	0	0	32	10	0	8	2	6
3 8	1	6	8½	1 27	0	15	11½	0 18	5	2½	21	682	10	0	34	2	6	8	10	7½
3 7	1	6	5	1 26	0	15	8	0 17	4	11	22	715	0	0	35	15	0	8	18	9
3 6	1	6	1½	1 25	0	15	4¾	0 16	4	7½	23	747	10	0	37	7	6	9	6	10½
3 6	1	5	10	1 24	0	15	1	0 15	4	4	24	780	0	0	39	0	0	9	15	0
3 4	1	5	6¾	1 23	0	14	9¼	0 14	4	0¾	25	812	10	0	40	12	6	10	3	1¾
3 3	1	5	3	1 22	0	14	6	0 13	3	9¼	26	845	0	0	42	5	0	10	11	3
3 2	1	4	11¾	1 21	0	14	2¾	0 12	3	5¾	27	877	10	0	43	17	6	10	19	4¾
3 1	1	4	8	1 20	0	13	11	0 11	3	2¼	28	910	0	0	45	10	0	11	7	6
3 0	1	4	4¾	1 19	0	13	7¾	0 10	2	10¾	29	942	10	0	47	2	6	11	15	7¾
2 27	1	4	1	1 18	0	13	4	0 9	2	7¼	30	975	0	0	48	15	0	12	3	9
2 26	1	3	9¾	1 17	0	13	0¾	0 8	2	3¾	31	1007	10	0	50	7	6	12	11	10¾
2 25	1	3	6	1 16	0	12	9	0 7	2	0¼	32	1040	0	0	52	0	0	13	0	0
2 24	1	3	2¾	1 15	0	12	5¾	0 6	1	8¾	33	1072	10	0	53	12	6	13	8	1¾
2 23	1	2	11	1 14	0	12	2¼	0 5	1	5¼	34	1105	0	0	55	5	0	13	16	3
2 22	1	2	7½	1 13	0	11	11	0 4	1	1¾	35	1137	10	0	56	17	6	14	4	4¾
2 21	1	2	4	1 12	0	11	7¾	0 3	0	10¼	36	1170	0	0	58	10	0	14	12	6
2 20	1	2	0¾	1 11	0	11	4	0 2	0	6¾	37	1202	10	0	60	2	6	15	0	7¾
2 19	1	1	9	1 10	0	11	0¾	0 1	0	3¼	38	1235	0	0	61	15	0	15	8	9

£32 13s. 4d. per ton, £1 12s. 8d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£32 13s. 4d. per ton.			£1 12s. 8d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, av. 8s. 2d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	12	4½	2	18	1	1	7	1	9	10	9½	2	65	6	8	3	5	4	0	16	4
3	26	1	12	1	2	17	1	1	3½	1	8	10	6	3	98	0	0	4	18	0	1	4	6
3	25	1	11	9½	2	16	1	1	0	1	7	10	2½	4	130	13	4	6	10	8	1	12	8
3	24	1	11	6	2	15	1	0	8½	1	6	9	11	5	163	6	8	8	3	4	2	0	10
3	23	1	11	2½	2	14	1	0	5	1	5	9	7½	6	196	0	0	9	16	0	2	9	0
3	22	1	10	11	2	13	1	0	1½	1	4	9	4	7	228	13	4	11	8	8	2	17	2
3	21	1	10	7½	2	12	0	19	10	1	3	9	0½	8	261	6	8	13	1	4	3	5	4
3	20	1	10	4	2	11	0	19	6½	1	2	8	9	9	294	0	0	14	14	0	3	13	6
3	19	1	10	0½	2	10	0	19	3	1	1	8	5½	10	326	13	4	16	6	8	4	1	8
3	18	1	9	9	2	9	0	18	11½	1	0	8	2	11	359	6	8	17	19	4	4	9	10
3	17	1	9	5½	2	8	0	18	8	0	27	7	10½	12	392	0	0	19	12	0	4	18	0
3	16	1	9	2	2	7	0	18	4½	0	26	7	7	13	424	13	4	21	4	8	5	6	2
3	15	1	8	10½	2	6	0	18	1	0	25	7	3½	14	457	6	8	22	17	4	5	14	4
3	14	1	8	7	2	5	0	17	9½	0	24	7	0	15	490	0	0	24	10	0	6	2	6
3	13	1	8	3½	2	4	0	17	6	0	23	6	8½	16	522	13	4	26	2	8	6	10	8
3	12	1	8	0	2	3	0	17	2½	0	22	6	5	17	555	6	8	27	15	4	6	18	10
3	11	1	7	8½	2	2	0	16	11	0	21	6	1½	18	588	0	0	29	8	0	7	7	0
3	10	1	7	5	2	1	0	16	7½	0	20	5	10	19	620	13	4	31	0	8	7	15	2
3	9	1	7	1½	2	0	0	16	4	0	19	5	6½	20	653	6	8	32	13	4	8	3	4
3	8	1	6	10	1	27	0	16	0½	0	18	5	3	21	686	0	0	34	6	0	8	11	6
3	7	1	6	6½	1	26	0	15	9	0	17	4	11½	22	718	13	4	35	18	8	8	19	8
3	6	1	6	3	1	25	0	15	5½	0	16	4	8	23	751	6	8	37	11	4	9	7	10
3	5	1	5	11½	1	24	0	15	2	0	15	4	4½	24	784	0	0	39	4	0	9	16	0
3	4	1	5	8	1	23	0	14	10½	0	14	4	1	25	816	13	4	40	16	8	10	4	2
3	3	1	5	4½	1	22	0	14	7	0	13	3	9½	26	849	6	8	42	9	4	10	12	4
3	2	1	5	1	1	21	0	14	3½	0	12	3	6	27	882	0	0	44	2	0	11	0	6
3	1	1	4	9½	1	20	0	14	0	0	11	3	2½	28	914	13	4	45	14	8	11	8	8
3	0	1	4	6	1	19	0	13	8½	0	10	2	11	29	947	6	8	47	7	4	11	16	10
2	27	1	4	2½	1	18	0	13	5	0	9	2	7½	30	980	0	0	49	0	0	12	5	0
2	26	1	3	11	1	17	0	13	1½	0	8	2	4	31	1012	13	4	50	12	8	12	13	2
2	25	1	3	7½	1	16	0	12	10	0	7	2	0½	32	1045	6	8	52	5	4	13	1	4
2	24	1	3	4	1	15	0	12	6½	0	6	1	9	33	1078	0	0	53	18	0	13	9	6
2	23	1	3	0½	1	14	0	12	3	0	5	1	5½	34	1110	13	4	55	10	8	13	17	8
2	22	1	2	9	1	13	0	11	11½	0	4	1	2	35	1143	6	8	57	3	4	14	5	10
2	21	1	2	5½	1	12	0	11	8	0	3	0	10½	36	1176	0	0	58	16	0	14	14	0
2	20	1	2	2	1	11	0	11	4½	0	2	0	7	37	1208	13	4	60	8	8	15	2	2
2	19	1	1	10½	1	10	0	11	1	0	1	0	3½	38	1241	6	8	62	1	4	15	10	4

Note—3½*d.* per lb.

£33 per ton, £1 13s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£33 per ton.			£1 13s. per cwt., bush., day, or yard.			qr. cwt., peck, ½ day, ¼ yd., average 8s. 3d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	12	8½	2	18	1	1	9½	1	9	10	11	2	66	0	0	3	6	0	0	16	6
3	26	1	12	5	2	17	1	1	6	1	8	10	7½	3	99	0	0	4	19	0	1	4	9
3	25	1	12	1½	2	16	1	1	2½	1	7	10	3¾	4	132	0	0	6	12	0	1	13	0
3	24	1	11	10	2	15	1	0	11	1	6	10	0	5	165	0	0	8	5	0	2	1	3
3	23	1	11	6½	2	14	1	0	7½	1	5	9	8½	6	198	0	0	9	18	0	2	9	6
3	22	1	11	3	2	13	1	0	4	1	4	9	5	7	231	0	0	11	11	0	2	17	9
3	21	1	10	11½	2	12	1	0	0½	1	3	9	1½	8	264	0	0	13	4	0	3	6	0
3	20	1	10	8	2	11	0	19	9	1	2	8	10	9	297	0	0	14	17	0	3	14	3
3	19	1	10	4½	2	10	0	19	5½	1	1	8	6¼	10	330	0	0	16	10	0	4	2	6
3	18	1	10	0¾	2	9	0	19	2	1	0	8	3	11	363	0	0	18	3	0	4	10	9
3	17	1	9	9	2	8	0	18	10½	0	27	7	11½	12	396	0	0	19	16	0	4	19	0
3	16	1	9	5½	2	7	0	18	7	0	26	7	8	13	429	0	0	21	9	0	5	7	3
3	15	1	9	2	2	6	0	18	3½	0	25	7	4¼	14	462	0	0	23	2	0	5	15	6
3	14	1	8	10½	2	5	0	18	0	0	24	7	1	15	495	0	0	24	15	0	6	3	9
3	13	1	8	7	2	4	0	17	8½	0	23	6	9½	16	528	0	0	26	8	0	6	12	0
3	12	1	8	3½	2	3	0	17	4½	0	22	6	6	17	561	0	0	28	1	0	7	0	3
3	11	1	8	0	2	2	0	17	1	0	21	6	2½	18	594	0	0	29	14	0	7	8	6
3	10	1	7	8½	2	1	0	16	9½	0	20	5	11	19	627	0	0	31	7	0	7	16	9
3	9	1	7	5	2	0	0	16	6	0	19	5	7½	20	660	0	0	33	0	0	8	5	0
3	8	1	7	1½	1	27	0	16	2½	0	18	5	3½	21	693	0	0	34	13	0	8	13	3
3	7	1	6	10	1	26	0	15	11	0	17	5	0	22	726	0	0	36	6	0	9	1	6
3	6	1	6	6½	1	25	0	15	7½	0	16	4	8½	23	759	0	0	37	19	0	9	9	9
3	5	1	6	2¾	1	24	0	15	4	0	15	4	5	24	792	0	0	39	12	0	9	18	0
3	4	1	5	11	1	23	0	15	0½	0	14	4	1½	25	825	0	0	41	5	0	10	6	3
3	3	1	5	7½	1	22	0	14	9	0	13	3	10	26	858	0	0	42	18	0	10	14	6
3	2	1	5	4	1	21	0	14	5½	0	12	3	6½	27	891	0	0	44	11	0	11	2	9
3	1	1	5	0½	1	20	0	14	2	0	11	3	3	28	924	0	0	46	4	0	11	11	0
3	0	1	4	9	1	19	0	13	10½	0	10	2	11½	29	957	0	0	47	17	0	11	19	3
2	27	1	4	5½	1	18	0	13	6½	0	9	2	8	30	990	0	0	49	10	0	12	7	6
2	26	1	4	2	1	17	0	13	3	0	8	2	4¼	31	1023	0	0	51	3	0	12	15	9
2	25	1	3	10¾	1	16	0	12	11½	0	7	2	1	32	1056	0	0	52	16	0	13	4	0
2	24	1	3	7	1	15	0	12	8	0	6	1	9½	33	1089	0	0	54	9	0	13	12	3
2	23	1	3	3½	1	14	0	12	4½	0	5	1	5¾	34	1122	0	0	56	2	0	14	0	6
2	22	1	3	0	1	13	0	12	1	0	4	1	2	35	1155	0	0	57	15	0	14	8	9
2	21	1	2	8½	1	12	0	11	9½	0	3	0	10½	36	1188	0	0	59	8	0	14	17	0
2	20	1	2	5	1	11	0	11	6	0	2	0	7	37	1221	0	0	61	1	0	15	5	3
2	19	1	2	1½	1	10	0	11	2½	0	1	0	3½	38	1254	0	0	62	14	0	15	13	6

£33 10s. per ton, £1 13s. 6d. per cwt. Rate per qr. cwt., stone, and lb.										No.	£33 10s. per ton.			£1 13s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 8s. 4½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	13	2½	2	18	1	2	2	1	9	11	1	2	67	0	0	3	7	0	0	16	9
3	26	1	12	11	2	17	1	1	10½	1	8	10	9½	3	99	10	0	5	0	6	1	5	1½
3	25	1	12	7½	2	16	1	1	6¾	1	7	10	5½	4	134	0	0	6	14	0	1	13	6
3	24	1	12	3¾	2	15	1	1	3	1	6	10	2	5	167	10	0	8	7	6	2	1	10½
3	23	1	12	0	2	14	1	0	11¼	1	5	9	10½	6	201	0	0	10	1	0	2	10	3
3	22	1	11	8¼	2	13	1	0	7½	1	4	9	7	7	234	10	0	11	14	6	2	18	7½
3	21	1	11	5	2	12	1	0	3¾	1	3	9	3½	8	268	0	0	13	8	0	3	7	0
3	20	1	11	1¾	2	11	1	0	0	1	2	8	11½	9	301	10	0	15	1	6	3	15	4½
3	19	1	10	10	2	10	0	19	8½	1	1	8	8	10	335	0	0	16	15	0	4	3	9
3	18	1	10	6½	2	9	0	19	5	1	0	8	4½	11	368	10	0	18	8	6	4	12	1½
3	17	1	10	3	2	8	0	19	1½	0	27	8	1	12	402	0	0	20	2	0	5	0	6
3	16	1	9	11½	2	7	0	18	10	0	26	7	9¾	13	435	10	0	21	15	6	5	8	10½
3	15	1	9	7¾	2	6	0	18	6¼	0	25	7	6	14	469	0	0	23	9	0	5	17	3
3	14	1	9	3¾	2	5	0	18	3	0	24	7	2¾	15	502	10	0	25	2	6	6	5	7½
3	13	1	9	0	2	4	0	17	11½	0	23	6	11	16	536	0	0	26	16	0	6	14	0
3	12	1	8	8¾	2	3	0	17	8	0	22	6	7¾	17	569	10	0	28	9	6	7	2	4½
3	11	1	8	5	2	2	0	17	4¼	0	21	6	3¾	18	603	0	0	30	3	0	7	10	9
3	10	1	8	1¾	2	1	0	17	0¾	0	20	6	0	19	636	10	0	31	16	6	7	19	1½
3	9	1	7	10	2	0	0	16	9	0	19	5	8¼	20	670	0	0	33	10	0	8	7	6
3	8	1	7	6¼	1	27	0	16	5¼	0	18	5	5	21	703	10	0	35	3	6	8	15	10½
3	7	1	7	3	1	26	0	16	2	0	17	5	1¾	22	737	0	0	36	17	0	9	4	3
3	6	1	6	11¾	1	25	0	15	10¾	0	16	4	9¾	23	770	10	0	38	10	6	9	12	7½
3	5	1	6	8	1	24	0	15	7	0	15	4	6	24	804	0	0	40	4	0	10	1	0
3	4	1	6	4¾	1	23	0	15	3¾	0	14	4	2¾	25	837	10	0	41	17	6	10	9	4½
3	3	1	6	0¾	1	22	0	15	0	0	13	3	10¾	26	871	0	0	43	11	0	10	17	9
3	2	1	5	9	1	21	0	14	8¼	0	12	3	7	27	904	10	0	45	4	6	11	6	1½
3	1	1	5	5¼	1	20	0	14	4¾	0	11	3	3¾	28	938	0	0	46	18	0	11	14	6
3	0	1	5	1¾	1	19	0	14	1	0	10	3	0	29	971	10	0	48	11	6	12	2	10½
2	27	1	4	10	1	18	0	13	9¼	0	9	2	8¼	30	1005	0	0	50	5	0	12	11	3
2	26	1	4	6¼	1	17	0	13	6	0	8	2	5	31	1038	10	0	51	18	6	12	19	7½
2	25	1	4	3	1	16	0	13	2¼	0	7	2	1¾	32	1072	0	0	53	12	0	13	8	0
2	24	1	3	11¾	1	15	0	12	10¾	0	6	1	10	33	1105	10	0	55	5	6	13	16	4½
2	23	1	3	8	1	14	0	12	6¾	0	5	1	6¾	34	1139	0	0	56	19	0	14	4	9
2	22	1	3	4¾	1	13	0	12	3	0	4	1	2¾	35	1172	10	0	58	12	6	14	13	1½
2	21	1	3	0¾	1	12	0	11	11¾	0	3	0	10¾	36	1206	0	0	60	6	0	15	1	6
2	20	1	2	9	1	11	0	11	8	0	2	0	7	37	1239	10	0	61	19	6	15	9	10½
2	19	1	2	5¾	1	10	0	11	4¾	0	1	0	3¾	38	1273	0	0	63	13	0	15	18	3

£34 per ton, £1 14s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£34 per ton.			£1 14s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yd., aver. 6s. 6d.		
qr.	lb.	£	s	d	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	13	8½	2	18	1	2	6	1	9	11	3	2	68	0	0	3	8	0	0	17	0
3	26	1	13	4½	2	17	1	2	2½	1	8	10	11½	3	102	0	0	5	2	0	1	5	6
3	25	1	13	1	2	16	1	1	10½	1	7	10	7½	4	136	0	0	6	16	0	1	14	0
3	24	1	12	9½	2	15	1	1	6½	1	6	10	4	5	170	0	0	8	10	0	2	2	6
3	23	1	12	5½	2	14	1	1	3	1	5	10	0½	6	204	0	0	10	4	0	2	11	0
3	22	1	12	2	2	13	1	0	11½	1	4	9	8½	7	238	0	0	11	18	0	2	19	6
3	21	1	11	10½	2	12	1	0	8	1	3	9	5	8	272	0	0	13	12	0	3	8	0
3	20	1	11	6½	2	11	1	0	4½	1	2	9	1½	9	306	0	0	15	6	0	3	16	6
3	19	1	11	3	2	10	1	0	0½	1	1	8	9½	10	340	0	0	17	0	0	4	5	0
3	18	1	10	11½	2	9	0	19	9	1	0	8	6	11	374	0	0	18	14	0	4	13	6
3	17	1	10	8	2	8	0	19	5½	0	27	8	2½	12	408	0	0	20	8	0	5	2	0
3	16	1	10	4½	2	7	0	19	1½	0	26	7	10½	13	442	0	0	22	2	0	5	10	6
3	15	1	10	0½	2	6	0	18	9¾	0	25	7	7	14	476	0	0	23	16	0	5	19	0
3	14	1	9	9	2	5	0	18	6	0	24	7	3½	15	510	0	0	25	10	0	6	7	6
3	13	1	9	5½	2	4	0	18	2½	0	23	6	11½	16	544	0	0	27	4	0	6	16	0
3	12	1	9	2	2	3	0	17	10½	0	22	6	8	17	578	0	0	28	18	0	7	4	6
3	11	1	8	10½	2	2	0	17	7	0	21	6	4½	18	612	0	0	30	12	0	7	13	0
3	10	1	8	6½	2	1	0	17	3½	0	20	6	0½	19	646	0	0	32	6	0	8	1	6
3	9	1	8	3	2	0	0	17	0	0	19	5	9	20	680	0	0	34	0	0	8	10	0
3	8	1	7	11½	1	27	0	16	8½	0	18	5	5½	21	714	0	0	35	14	0	8	18	6
3	7	1	7	8	1	26	0	16	5	0	17	5	1½	22	748	0	0	37	8	0	9	7	0
3	6	1	7	4½	1	25	0	16	1½	0	16	4	10	23	782	0	0	39	2	0	9	15	6
3	5	1	7	0½	1	24	0	15	9¾	0	15	4	6½	24	816	0	0	40	16	0	10	4	0
3	4	1	6	8½	1	23	0	15	6	0	14	4	3	25	850	0	0	42	10	0	10	12	6
3	3	1	6	5	1	22	0	15	2½	0	13	3	11½	26	884	0	0	44	4	0	11	1	0
3	2	1	6	1½	1	21	0	14	10½	0	12	3	8	27	918	0	0	45	18	0	11	9	6
2	1	1	5	9½	1	20	0	14	7	0	11	3	4½	28	952	0	0	47	12	0	11	18	0
2	0	1	5	6	1	19	0	14	3½	0	10	3	0½	29	986	0	0	49	6	0	12	6	6
2	27	1	5	2½	1	18	0	14	0	0	9	2	9	30	1020	0	0	51	0	0	12	15	0
2	26	1	4	10¾	1	17	0	13	8½	0	8	2	5½	31	1054	0	0	52	14	0	13	3	6
2	25	1	4	7	1	16	0	13	4½	0	7	2	1½	32	1088	0	0	54	8	0	13	12	0
2	24	1	4	3¼	1	15	0	13	0¾	0	6	1	10	33	1122	0	0	56	2	0	14	0	6
2	23	1	3	11½	1	14	0	12	9	0	5	1	6½	34	1156	0	0	57	16	0	14	9	0
2	22	1	3	8	1	13	0	12	5½	0	4	1	2½	35	1190	0	0	59	10	0	14	17	6
2	21	1	3	4½	1	12	0	12	2	0	3	0	10½	36	1224	0	0	61	4	0	15	6	0
2	20	1	3	1	1	11	0	11	10½	0	2	0	7	37	1258	0	0	62	18	0	15	14	6
2	19	1	2	9½	1	10	0	11	6½	0	1	0	3½	38	1292	0	0	64	12	0	16	3	0

£34 10s. per ton, £1 14s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£34 10s. per ton.			£1 14s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 8s. 7¼d.		
qr.lb	£	s.	d.	qr.lb.	£	s.	d.	qr.lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3 27	1	14	2½	2 18	1	2	9½	1 9	11	4½	2	69	0	0	3	9	0	0	17	3
3 26	1	13	10½	2 17	1	2	5½	1 8	11	1	3	103	10	0	5	3	6	1	5	10½
3 25	1	13	7	2 16	1	2	1½	1 7	10	9¼	4	138	0	0	6	18	0	1	14	6
3 24	1	13	3½	2 15	1	1	10	1 6	10	5½	5	172	10	0	8	12	6	2	3	1½
3 23	1	13	0	2 14	1	1	6¼	1 5	10	2	6	207	0	0	10	7	0	2	11	9
3 22	1	12	8¼	2 13	1	1	3	1 4	9	10¼	7	241	10	0	12	1	6	3	0	4½
3 21	1	12	4½	2 12	1	0	11½	1 3	9	6¾	8	276	0	0	13	16	0	3	9	0
3 20	1	12	1	2 11	1	0	7½	1 2	9	3	9	310	10	0	15	10	6	3	17	7½
3 19	1	11	9½	2 10	1	0	3¾	1 1	8	11½	10	345	0	0	17	5	0	4	6	3
3 18	1	11	5½	2 9	1	0	0	1 0	8	7½	11	379	10	0	18	19	6	4	14	10½
3 17	1	11	1½	2 8	0	19	8½	0 27	8	4	12	414	0	0	20	14	0	5	3	6
3 16	1	10	10	2 7	0	19	4¾	0 26	8	0½	13	448	10	0	22	8	6	5	12	1½
3 15	1	10	6½	2 6	0	19	1	0 25	7	8½	14	483	0	0	24	3	0	6	0	9
3 14	1	10	2½	2 5	0	18	9½	0 24	7	5	15	517	10	0	25	17	6	6	9	4½
3 13	1	9	11	2 4	0	18	5½	0 23	7	1½	16	552	0	0	27	12	0	6	18	0
3 12	1	9	7½	2 3	0	18	2	0 22	6	9½	17	586	10	0	29	6	6	7	6	7½
3 11	1	9	3½	2 2	0	17	10¼	0 21	6	5¾	18	621	0	0	31	1	0	7	15	3
3 10	1	9	0	2 1	0	17	6¾	0 20	6	2	19	655	10	0	32	15	6	8	3	10½
3 9	1	8	8½	2 0	0	17	3	0 19	5	10¼	20	690	0	0	34	10	0	8	12	6
3 8	1	8	4½	1 27	0	16	11¼	0 18	5	6½	21	724	10	0	36	4	6	9	1	1½
3 7	1	8	0¾	1 26	0	16	7½	0 17	5	2¾	22	759	0	0	37	19	0	9	9	9
3 6	1	7	9	1 25	0	16	3¾	0 16	4	11	23	793	10	0	39	13	6	9	18	4½
3 5	1	7	5½	1 24	0	16	0	0 15	4	7½	24	828	0	0	41	8	0	10	7	0
3 4	1	7	1½	1 23	0	15	8½	0 14	4	3¾	25	862	10	0	43	2	6	10	15	7½
3 3	1	6	9¼	1 22	0	15	4½	0 13	4	0	26	897	0	0	44	17	0	11	4	3
3 2	1	6	6	1 21	0	15	1	0 12	3	8½	27	931	10	0	46	11	6	11	12	10½
3 1	1	6	2½	1 20	0	14	9½	0 11	3	4¾	28	966	0	0	48	6	0	12	1	6
3 0	1	5	10½	1 19	0	14	6	0 10	3	1	29	1000	10	0	50	0	6	12	10	1½
2 27	1	5	7	1 18	0	14	2½	0 9	2	9½	30	1035	0	0	51	15	0	12	18	9
2 26	1	5	3½	1 17	0	13	10½	0 8	2	5½	31	1069	10	0	53	9	6	13	7	4½
2 25	1	4	11½	1 16	0	13	6¾	0 7	2	2	32	1104	0	0	55	4	0	13	16	0
2 24	1	4	7¾	1 15	0	13	3	0 6	1	10½	33	1138	10	0	56	18	6	14	4	7½
2 23	1	4	4	1 14	0	12	11¼	0 5	1	6¾	34	1173	0	0	58	13	0	14	13	3
2 22	1	4	0¼	1 13	0	12	7½	0 4	1	2¾	35	1207	10	0	60	7	6	15	1	10½
2 21	1	3	8½	1 12	0	12	3¾	0 3	0	11	36	1242	0	0	62	2	0	15	10	6
2 20	1	3	4¾	1 11	0	12	0	0 2	0	7¾	37	1276	10	0	63	16	6	15	19	1½
2 19	1	3	1	1 10	0	11	8¼	0 1	0	3¾	38	1311	0	0	65	11	0	16	7	9

£35 per ton, £1 15s. per cwt. Rate per qr. cwt., stone, and lb.										No.	£35 per ton.			£1 15s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day. ¼ yard, average 8s. 9d.		
qr.	lb.	£	s.	d.	qr	lb.	£	s.	d.	qr. lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	14	8¼	2	18	1	3	1¼	1 9	11	6¾	2	70	0	0	3	10	0	0	17	6
3	26	1	14	4½	2	17	1	2	9¾	1 8	11	3	3	105	0	0	5	5	0	1	6	3
3	25	1	14	0¾	2	16	1	2	6	1 7	10	11¼	4	140	0	0	7	0	0	1	15	0
3	24	1	13	9	2	15	1	2	2¼	1 6	10	7½	5	175	0	0	8	15	0	2	3	9
3	23	1	13	5¼	2	14	1	1	10¾	1 5	10	3¾	6	210	0	0	10	10	0	2	12	6
3	22	1	13	1½	2	13	1	1	6¾	1 4	10	0	7	245	0	0	12	5	0	3	1	3
3	21	1	12	9¾	2	12	1	1	3	1 3	9	8¼	8	280	0	0	14	0	0	3	10	0
3	20	1	12	6	2	11	1	0	11¼	1 2	9	4½	9	315	0	0	15	15	0	3	18	9
3	19	1	12	2¼	2	10	1	0	7½	1 1	9	0¾	10	350	0	0	17	10	0	4	7	6
3	18	1	11	10½	2	9	1	0	3¾	1 0	8	9	11	385	0	0	19	5	0	4	16	3
3	17	1	11	6¾	2	8	1	0	0	0 27	8	5¼	12	420	0	0	21	0	0	5	5	0
3	16	1	11	3	2	7	0	19	8¼	0 26	8	1¾	13	455	0	0	22	15	0	5	13	9
3	15	1	10	11¼	2	6	0	19	4¾	0 25	7	9¾	14	490	0	0	24	10	0	6	2	6
3	14	1	10	7½	2	5	0	19	0¾	0 24	7	6	15	525	0	0	26	5	0	6	11	3
3	13	1	10	3¾	2	4	0	18	9	0 23	7	2¼	16	560	0	0	28	0	0	7	0	0
3	12	1	10	0	2	3	0	18	5¼	0 22	6	10¾	17	595	0	0	29	15	0	7	8	9
3	11	1	9	8¼	2	2	0	18	1¾	0 21	6	6¾	18	630	0	0	31	10	0	7	17	6
3	10	1	9	4½	2	1	0	17	9¾	0 20	6	3	19	665	0	0	33	5	0	8	6	3
3	9	1	9	0¾	2	0	0	17	6	0 19	5	11¼	20	700	0	0	35	0	0	8	15	0
3	8	1	8	9	1	27	0	17	2¼	0 18	5	7½	21	735	0	0	36	15	0	9	3	9
3	7	1	8	5¼	1	26	0	16	10¾	0 17	5	3¾	22	770	0	0	38	10	0	9	12	6
3	6	1	8	1½	1	25	0	16	6¾	0 16	5	0	23	805	0	0	40	5	0	10	1	3
3	5	1	7	9¾	1	24	0	16	3	0 15	4	8¼	24	840	0	0	42	0	0	10	10	0
3	4	1	7	6	1	23	0	15	11¼	0 14	4	4½	25	875	0	0	43	15	0	10	18	9
3	3	1	7	2¼	1	22	0	15	7½	0 13	4	0¾	26	910	0	0	45	10	0	11	7	6
3	2	1	6	10½	1	21	0	15	3¾	0 12	3	9	27	945	0	0	47	5	0	11	16	3
3	1	1	6	6¾	1	20	0	15	0	0 11	3	5¼	28	980	0	0	49	0	0	12	5	0
3	0	1	6	3	1	19	0	14	8¼	0 10	3	1½	29	1015	0	0	50	15	0	12	13	9
2	27	1	5	11¼	1	18	0	14	4½	0 9	2	9¾	30	1050	0	0	52	10	0	13	2	6
2	26	1	5	7½	1	17	0	14	0¾	0 8	2	6	31	1085	0	0	54	5	0	13	11	3
2	25	1	5	3¾	1	16	0	13	9	0 7	2	2¼	32	1120	0	0	56	0	0	14	0	0
2	24	1	5	0	1	15	0	13	5¼	0 6	1	10½	33	1155	0	0	57	15	0	14	8	9
2	23	1	4	8¼	1	14	0	13	1½	0 5	1	6¾	34	1190	0	0	59	10	0	14	17	6
2	22	1	4	4½	1	13	0	12	9¾	0 4	1	3	35	1225	0	0	61	5	0	15	6	3
2	21	1	4	0¾	1	12	0	12	6	0 3	0	11¼	36	1260	0	0	63	0	0	15	15	0
2	20	1	3	9	1	11	0	12	2¼	0 2	0	7½	37	1295	0	0	64	15	0	16	3	9
2	19	1	3	5¼	1	10	0	11	10¾	0 1	0	3¾	38	1330	0	0	66	10	0	16	12	6

Note—3¾*d.* per lb.

£35 10s. per ton, £1 15s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£35 10s. per ton.			£1 15s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 8s. 10½d.		
qr.	lb.	£	s.	d.	qr	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	15	2¼	2	18	1	3	6	1	9	11	9	2	71	0	0	3	11	0	0	17	9
3	26	1	14	10½	2	17	1	3	2¼	1	8	11	5½	3	106	10	0	5	6	6	1	6	7½
3	25	1	14	6¾	2	16	1	2	10¼	1	7	11	1½	4	142	0	0	7	2	0	1	15	6
3	24	1	14	3	2	15	1	2	6¼	1	6	10	9¾	5	177	10	0	8	17	6	2	4	4½
3	23	1	13	11½	2	14	1	2	2¼	1	5	10	6	6	213	0	0	10	13	0	2	13	3
3	22	1	13	7¾	2	13	1	1	10¼	1	4	10	2½	7	248	10	0	12	8	6	3	2	1½
3	21	1	13	3¾	2	12	1	1	6¾	1	3	9	10½	8	284	0	0	14	4	0	3	11	0
3	20	1	13	0	2	11	1	1	3	1	2	9	6½	9	319	10	0	15	19	6	3	19	10½
3	19	1	12	8½	2	10	1	0	11¼	1	1	9	2¾	10	355	0	0	17	15	0	4	8	9
3	18	1	12	4¼	2	9	1	0	7¾	1	0	8	10¼	11	390	10	0	19	10	6	4	17	7½
3	17	1	12	0¾	2	8	1	0	3¾	0	27	8	6¾	12	426	0	0	21	6	0	5	6	6
3	16	1	11	8¾	2	7	1	0	0	0	26	8	3	13	461	10	0	23	1	6	5	15	4½
3	15	1	11	4¾	2	6	0	19	8¼	0	25	7	11½	14	497	0	0	24	17	0	6	4	3
3	14	1	11	0¾	2	5	0	19	4¾	0	24	7	7½	15	532	10	0	26	12	6	6	13	1½
3	13	1	10	9	2	4	0	19	0¾	0	23	7	3¾	16	568	0	0	28	8	0	7	2	0
3	12	1	10	5½	2	3	0	18	9	0	22	7	0	17	603	10	0	30	3	6	7	10	10½
3	11	1	10	1½	2	2	0	18	5	0	21	6	8½	18	639	0	0	31	19	0	7	19	9
3	10	1	9	9¾	2	1	0	18	1	0	20	6	4½	19	674	10	0	33	14	6	8	8	7½
3	9	1	9	6	2	0	0	17	9	0	19	6	0¾	20	710	0	0	35	10	0	8	17	6
3	8	1	9	2¼	1	27	0	17	5½	0	18	5	9	21	745	10	0	37	5	6	9	6	4½
3	7	1	8	10½	1	26	0	17	1½	0	17	5	5½	22	781	0	0	39	1	0	9	15	3
3	6	1	8	6¾	1	25	0	16	9¾	0	16	5	1½	23	816	10	0	40	16	6	10	4	1½
3	5	1	8	3	1	24	0	16	6	0	15	4	9½	24	852	0	0	42	12	0	10	13	0
3	4	1	7	11¼	1	23	0	16	2¼	0	14	4	5½	25	887	10	0	44	7	6	11	1	10½
3	3	1	7	7¾	1	22	0	15	10½	0	13	4	1½	26	923	0	0	46	3	0	11	10	9
3	2	1	7	3¾	1	21	0	15	6¾	0	12	3	9¾	27	958	10	0	47	18	6	11	19	7½
3	1	1	6	11¼	1	20	0	15	3	0	11	3	6	28	994	0	0	49	14	0	12	8	6
3	0	1	6	7¼	1	19	0	14	11¼	0	10	3	2¼	29	1029	10	0	51	9	6	12	17	4½
2	27	1	6	3¾	1	18	0	14	7¼	0	9	2	10¼	30	1065	0	0	53	5	0	13	6	3
2	26	1	6	0	1	17	0	14	3¾	0	8	2	6¾	31	1100	10	0	55	0	6	13	15	1½
2	25	1	5	8¼	1	16	0	13	11¾	0	7	2	3	32	1136	0	0	56	16	0	14	4	0
2	24	1	5	4¼	1	15	0	13	7¾	0	6	1	11	33	1171	10	0	58	11	6	14	12	10½
2	23	1	5	0¾	1	14	0	13	3¾	0	5	1	7	34	1207	0	0	60	7	0	15	1	9
2	22	1	4	9	1	13	0	13	0	0	4	1	3½	35	1242	10	0	62	2	6	15	10	7½
2	21	1	4	5¼	1	12	0	12	8¼	0	3	0	11½	36	1278	0	0	63	18	0	15	19	6
2	20	1	4	1¾	1	11	0	12	4¾	0	2	0	7½	37	1313	10	0	65	13	6	16	8	4½
2	19	1	3	9¾	1	10	0	12	0¾	0	1	0	3¾	38	1349	0	0	67	9	0	16	17	3

£36 per ton, £1 16s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£36 per ton.			£1 16s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, aver. 9s.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	15	8¾	2	18	1	3	9½	1	9	11	11	2	72	0	0	3	12	0	0	18	0
3	26	1	15	4½	2	17	1	3	5¾	1	8	11	7	3	108	0	0	5	8	0	1	7	0
3	25	1	15	0¾	2	16	1	3	2	1	7	11	3½	4	144	0	0	7	4	0	1	16	0
3	24	1	14	9	2	15	1	2	10	1	6	10	11½	5	180	0	0	9	0	0	2	5	0
3	23	1	14	5½	2	14	1	2	6	1	5	10	7¾	6	216	0	0	10	16	0	2	14	0
3	22	1	14	1¼	2	13	1	2	2¼	1	4	10	4	7	252	0	0	12	12	0	3	3	0
3	21	1	13	9¼	2	12	1	1	10½	1	3	10	0	8	288	0	0	14	8	0	3	12	0
3	20	1	13	5½	2	11	1	1	6¾	1	2	9	8	9	324	0	0	16	4	0	4	1	0
3	19	1	13	1¾	2	10	1	1	3	1	1	9	4	10	360	0	0	18	0	0	4	10	0
3	18	1	12	10	2	9	1	0	11¼	1	0	9	0	11	396	0	0	19	16	0	4	19	0
3	17	1	12	6	2	8	1	0	7½	0	27	8	8½	12	432	0	0	21	12	0	5	8	0
3	16	1	12	2	2	7	1	0	3¾	0	26	8	4½	13	468	0	0	23	8	0	5	17	0
3	15	1	11	10	2	6	1	0	0	0	25	8	0¾	14	504	0	0	25	4	0	6	6	0
3	14	1	11	6	2	5	0	19	8	0	24	7	9	15	540	0	0	27	0	0	6	15	0
3	13	1	11	2¼	2	4	0	19	4	0	23	7	5	16	576	0	0	28	16	0	7	4	0
3	12	1	10	10¼	2	3	0	19	0	0	22	7	1	17	612	0	0	30	12	0	7	13	0
3	11	1	10	6¾	2	2	0	18	8	0	21	6	9½	18	648	0	0	32	8	0	8	2	0
3	10	1	10	3	2	1	0	18	4	0	20	6	5¼	19	684	0	0	34	4	0	8	11	0
3	9	1	9	11¼	2	0	0	18	0	0	19	6	1¾	20	720	0	0	36	0	0	9	0	0
3	8	1	9	7¼	1	27	0	17	8¼	0	18	5	10	21	756	0	0	37	16	0	9	9	0
3	7	1	9	3¾	1	26	0	17	4¾	0	17	5	6	22	792	0	0	39	12	0	9	18	0
3	6	1	8	11¼	1	25	0	17	0¾	0	16	5	2	23	828	0	0	41	8	0	10	7	0
3	5	1	8	7¾	1	24	0	16	9	0	15	4	10	24	864	0	0	43	4	0	10	16	0
3	4	1	8	4	1	23	0	16	5¼	0	14	4	6	25	900	0	0	45	0	0	11	5	0
3	3	1	8	0	1	22	0	16	1¾	0	13	4	2¼	26	936	0	0	46	16	0	11	14	0
3	2	1	7	4	1	21	0	15	9¾	0	12	3	10¼	27	972	0	0	48	12	0	12	3	0
3	1	1	7	8	1	20	0	15	6	0	11	3	6¾	28	1008	0	0	50	8	0	12	12	0
3	0	1	7	0	1	19	0	15	2	0	10	3	2¾	29	1044	0	0	52	4	0	13	1	0
2	27	1	6	8½	1	18	0	14	10	0	9	2	10¾	30	1080	0	0	54	0	0	13	10	0
2	26	1	6	4¼	1	17	0	14	6	0	8	2	7	31	1116	0	0	55	16	0	13	19	0
2	25	1	6	0¾	1	16	0	14	2	0	7	2	3½	32	1152	0	0	57	12	0	14	8	0
2	24	1	5	9	1	15	0	13	10	0	6	1	11½	33	1188	0	0	59	8	0	14	17	0
2	23	1	5	5¼	1	14	0	13	6	0	5	1	7½	34	1224	0	0	61	4	0	15	6	0
2	22	1	5	1¾	1	13	0	13	2¼	0	4	1	3½	35	1260	0	0	63	0	0	15	15	0
2	21	1	4	9¾	1	12	0	12	10¼	0	3	0	11½	36	1296	0	0	64	16	0	16	4	0
2	20	1	4	5¼	1	11	0	12	6¾	0	2	0	7½	37	1332	0	0	66	12	0	16	13	0
2	19	1	4	1¾	1	10	0	12	3	0	1	0	3½	38	1368	0	0	68	8	0	17	2	0

£36 10s. per ton; £1 16s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£36 10s. per ton.			£1 16s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day ¼ yd., aver. 9s. 1½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	16	2¼	2	18	1	4	1¾	1	9	12	1	2	78	0	0	3	13	0	0	18	3
3	26	1	15	10½	2	17	1	3	9¾	1	8	11	9	3	109	10	0	5	9	6	1	7	4½
3	25	1	15	6¼	2	16	1	3	5¾	1	7	11	5	4	146	0	0	7	6	0	1	16	6
3	24	1	15	2¼	2	15	1	3	1¾	1	6	11	1½	5	182	10	0	9	2	6	2	5	7½
3	23	1	14	10¾	2	14	1	2	9¾	1	5	10	9½	6	219	0	0	10	19	0	2	14	9
3	22	1	14	7	2	13	1	2	6	1	4	10	5½	7	255	10	0	12	15	6	3	3	10½
3	21	1	14	3	2	12	1	2	2	1	3	10	1½	8	292	0	0	14	12	0	3	13	0
3	20	1	13	11	2	11	1	1	10	1	2	9	9½	9	328	10	0	16	8	6	4	2	1½
3	19	1	13	7	2	10	1	1	6¼	1	1	9	5½	10	365	0	0	18	5	0	4	11	3
3	18	1	13	3½	2	9	1	1	2¼	1	0	9	1½	11	401	10	0	20	1	6	5	0	4½
3	17	1	12	11¼	2	8	1	0	10¼	0	27	8	9¾	12	438	0	0	21	18	0	5	9	6
3	16	1	12	7¼	2	7	1	0	6¼	0	26	8	6	13	474	10	0	23	14	6	5	18	7½
3	15	1	12	3¼	2	6	1	0	2¾	0	25	8	2	14	511	0	0	25	11	0	6	7	9
3	14	1	11	11¼	2	5	0	19	11	0	24	7	10	15	547	10	0	27	7	6	6	16	10½
3	13	1	11	7¼	2	4	0	19	7	0	23	7	6	16	584	0	0	29	4	0	7	6	0
3	12	1	11	3¾	2	3	0	19	3	0	22	7	2½	17	620	10	0	31	0	6	7	15	1½
3	11	1	11	0	2	2	0	18	11	0	21	6	10½	18	657	0	0	32	17	0	8	4	3
3	10	1	10	8	2	1	0	18	7	0	20	6	6¾	19	693	10	0	34	13	6	8	13	4½
3	9	1	10	4	2	0	0	18	3	0	19	6	2¾	20	730	0	0	36	10	0	9	2	6
3	8	1	10	0	1	27	0	17	11½	0	18	5	10¾	21	766	10	0	38	6	6	9	11	7½
3	7	1	9	8¼	1	26	0	17	7½	0	17	5	6¾	22	803	0	0	40	3	0	10	0	9
3	6	1	9	4¼	1	25	0	17	3½	0	16	5	2¾	23	839	10	0	41	19	6	10	9	10½
3	5	1	9	0¼	1	24	0	16	11½	0	15	4	10¾	24	876	0	0	43	16	0	10	19	0
3	4	1	8	8¼	1	23	0	16	7¾	0	14	4	6¾	25	912	10	0	45	12	6	11	8	1½
3	3	1	8	4¼	1	22	0	16	4	0	13	4	3	26	949	0	0	47	9	0	11	17	3
3	2	1	8	0¼	1	21	0	16	0	0	12	3	11	27	985	10	0	49	5	6	12	6	4½
3	1	1	7	8¼	1	20	0	15	8¼	0	11	3	7¼	28	1022	0	0	51	2	0	12	15	6
3	0	1	7	4¼	1	19	0	15	4¼	0	10	3	3¼	29	1058	10	0	52	18	6	13	4	7½
2	27	1	7	0¼	1	18	0	15	0¼	0	9	2	11½	30	1095	0	0	54	15	0	13	13	9
2	26	1	6	9	1	17	0	14	8½	0	8	2	7½	31	1131	10	0	56	11	6	14	2	10½
2	25	1	6	5	1	16	0	14	4¼	0	7	2	3½	32	1168	0	0	58	8	0	14	12	0
2	24	1	6	1	1	15	0	14	0¼	0	6	1	11¾	33	1204	10	0	60	4	6	15	1	1½
2	23	1	5	9	1	14	0	13	8¼	0	5	1	7¾	34	1241	0	0	62	1	0	15	10	3
2	22	1	5	5¼	1	13	0	13	4¼	0	4	1	3¾	35	1277	10	0	63	17	6	15	19	4½
2	21	1	5	1¼	1	12	0	13	0¼	0	3	0	11¾	36	1314	0	0	65	14	0	16	8	6
2	20	1	4	9¾	1	11	0	12	9	0	2	0	7¾	37	1350	10	0	67	10	6	16	17	7½
2	19	1	4	5¾	1	10	0	12	5	0	1	0	3¾	38	1387	0	0	69	7	0	17	6	9

£37 per ton, £1 17s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£37 per ton.			£1 17s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 9s. 3d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	16	8¼	2	18	1	4	5½	1	9	12	3	2	74	0	0	3	14	0	0	18	6
3	26	1	16	4½	2	17	1	4	1½	1	8	11	11	3	111	0	0	5	11	0	1	7	9
3	25	1	16	0¼	2	16	1	3	9½	1	7	11	7	4	148	0	0	7	8	0	1	17	0
3	24	1	15	8½	2	15	1	3	5¼	1	6	11	3	5	185	0	0	9	5	0	2	6	3
3	23	1	15	4¼	2	14	1	3	1¼	1	5	10	11	6	222	0	0	11	2	0	2	15	6
3	22	1	15	0¼	2	13	1	2	9¾	1	4	10	7	7	259	0	0	12	19	0	3	4	9
3	21	1	14	8¼	2	12	1	2	6	1	3	10	3	8	296	0	0	14	16	0	3	14	0
3	20	1	14	4¼	2	11	1	2	2	1	2	9	11	9	333	0	0	16	13	0	4	3	3
3	19	1	14	0¼	2	10	1	1	10	1	1	9	7	10	370	0	0	18	10	0	4	12	6
3	18	1	13	8¼	2	9	1	1	6	1	0	9	3	11	407	0	0	20	7	0	5	1	9
3	17	1	13	4¼	2	8	1	1	2	0	27	8	11½	12	444	0	0	22	4	0	5	11	0
3	16	1	13	0¼	2	7	1	0	10	0	26	8	7½	13	481	0	0	24	1	0	6	0	3
3	15	1	12	8¼	2	6	1	0	6	0	25	8	3¾	14	518	0	0	25	18	0	6	9	6
3	14	1	12	4¼	2	5	1	0	2	0	24	7	11¼	15	555	0	0	27	15	0	6	18	9
3	13	1	12	0¼	2	4	0	19	10	0	23	7	7¾	16	592	0	0	29	12	0	7	8	0
3	12	1	11	8¾	2	3	0	19	6	0	22	7	3½	17	629	0	0	31	9	0	7	17	3
3	11	1	11	4¼	2	2	0	19	2	0	21	6	11¼	18	666	0	0	33	6	0	8	6	6
3	10	1	11	0¼	2	1	0	18	10	0	20	6	7½	19	703	0	0	35	3	0	8	15	9
3	9	1	10	8¼	2	0	0	18	6	0	19	6	3¾	20	740	0	0	37	0	0	9	5	0
3	8	1	10	4¼	1	27	0	18	2¼	0	18	5	11¼	21	777	0	0	38	17	0	9	14	3
3	7	1	10	0¼	1	26	0	17	10¼	0	17	5	7¾	22	814	0	0	40	14	0	10	3	6
3	6	1	9	8¼	1	25	0	17	6¼	0	16	5	3½	23	851	0	0	42	11	0	10	12	9
3	5	1	9	4¼	1	24	0	17	2¼	0	15	4	11¼	24	888	0	0	44	8	0	11	2	0
3	4	1	9	0¼	1	23	0	16	10¼	0	14	4	7¾	25	925	0	0	46	5	0	11	11	3
3	3	1	8	8¼	1	22	0	16	6¼	0	13	4	3¾	26	962	0	0	48	2	0	12	0	6
3	2	1	8	4¼	1	21	0	16	2¼	0	12	3	11¾	27	999	0	0	49	19	0	12	9	9
3	1	1	8	0¾	1	20	0	15	10¼	0	11	3	7¾	28	1036	0	0	51	16	0	12	19	0
3	0	1	7	9	1	19	0	15	6½	0	10	3	3¾	29	1073	0	0	53	13	0	13	8	3
2	27	1	7	5	1	18	0	15	2¼	0	9	2	11¾	30	1110	0	0	55	10	0	13	17	6
2	26	1	7	1	1	17	0	14	10¼	0	8	2	7¾	31	1147	0	0	57	7	0	14	6	9
2	25	1	6	8	1	16	0	14	6¼	0	7	2	3¾	32	1184	0	0	59	4	0	14	16	0
2	24	1	6	5	1	15	0	14	2¼	0	6	1	11¾	33	1221	0	0	61	1	0	15	5	3
2	23	1	6	1	1	14	0	13	10¼	0	5	1	7¾	34	1258	0	0	62	18	0	15	14	6
2	22	1	5	8	1	13	0	13	6¾	0	4	1	3¾	35	1295	0	0	64	15	0	16	3	9
2	21	1	5	5	1	12	0	13	3	0	3	0	11¾	36	1332	0	0	66	12	0	16	13	0
2	20	1	5	1¼	1	11	0	12	11	0	2	0	7¾	37	1369	0	0	68	9	0	17	2	3
2	19	1	4	9¼	1	10	0	12	7	0	1	0	3¾	38	1406	0	0	70	6	0	17	11	6

£37 6s. 8d. per ton, £1 17s. 4d. per cwt. Rate per qr. cwt., stone, and lb.										No.	£37 6s. 8d. per ton.			£1 17s. 4d. per cwt. bush, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 0s. 4d.		
qr.	lb	£	s.	d.	qr.	lb	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	17	0	2	18	1	4	8	1	9	12	4	2	74	13	4	3	14	8	0	18	8
3	26	1	16	8	2	17	1	4	4	1	8	12	0	3	112	0	0	5	12	0	1	8	0
3	25	1	16	4	2	16	1	4	0	1	7	11	8	4	149	6	8	7	9	4	1	17	4
3	24	1	16	0	2	15	1	3	8	1	6	11	4	5	186	13	4	9	6	8	2	6	8
3	23	1	15	8	2	14	1	3	4	1	5	11	0	6	224	0	0	11	4	0	2	16	0
3	22	1	15	4	2	13	1	3	0	1	4	10	8	7	261	6	8	13	1	4	3	5	4
3	21	1	15	0	2	12	1	2	8	1	3	10	4	8	298	13	4	14	18	8	3	14	8
3	20	1	14	8	2	11	1	2	4	1	2	10	0	9	336	0	0	16	16	0	4	4	0
3	19	1	14	4	2	10	1	2	0	1	1	9	8	10	373	6	8	18	13	4	4	13	4
3	18	1	14	0	2	9	1	1	8	1	0	9	4	11	410	13	4	20	10	8	5	2	8
3	17	1	13	8	2	8	1	1	4	0	27	9	0	12	448	0	0	22	8	0	5	12	0
3	16	1	13	4	2	7	1	1	0	0	26	8	8	13	485	6	8	24	5	4	6	1	4
3	15	1	13	0	2	6	1	0	8	0	25	8	4	14	522	13	4	26	2	8	6	10	8
3	14	1	12	8	2	5	1	0	4	0	24	8	0	15	560	0	0	28	0	0	7	0	0
3	13	1	12	4	2	4	1	0	0	0	23	7	8	16	597	6	8	29	17	4	7	9	4
3	12	1	12	0	2	3	0	19	8	0	22	7	4	17	634	13	4	31	14	8	7	18	8
3	11	1	11	8	2	2	0	19	4	0	21	7	0	18	672	0	0	33	12	0	8	8	0
3	10	1	11	4	2	1	0	19	0	0	20	6	8	19	709	6	8	35	9	4	8	17	4
3	9	1	11	0	2	0	0	18	8	0	19	6	4	20	746	13	4	37	6	8	9	6	8
3	8	1	10	8	1	27	0	18	4	0	18	6	0	21	784	0	0	39	4	0	9	16	0
3	7	1	10	4	1	26	0	18	0	0	17	5	8	22	721	6	8	41	1	4	10	5	4
3	6	1	10	0	1	25	0	17	8	0	16	5	4	23	858	13	4	42	18	8	10	14	8
3	5	1	9	8	1	24	0	17	4	0	15	5	0	24	896	0	0	44	16	0	11	4	0
3	4	1	9	4	1	23	0	17	0	0	14	4	8	25	933	6	8	46	13	4	11	13	4
3	3	1	9	0	1	22	0	16	8	0	13	4	4	26	970	13	4	48	10	8	12	2	8
3	2	1	8	8	1	21	0	16	4	0	12	4	0	27	1008	0	0	50	8	0	12	12	0
3	1	1	8	4	1	20	0	16	0	0	11	3	8	28	1045	6	8	52	5	4	13	1	4
3	0	1	8	0	1	19	0	15	8	0	10	3	4	29	1082	13	4	54	2	8	13	10	8
2	27	1	7	8	1	18	0	15	4	0	9	3	0	30	1120	0	0	56	0	0	14	0	0
2	26	1	7	4	1	17	0	15	0	0	8	2	8	31	1157	6	8	57	17	4	14	9	4
2	25	1	7	0	1	16	0	14	8	0	7	2	4	32	1194	13	4	59	14	8	14	18	8
2	24	1	6	8	1	15	0	14	4	0	6	2	0	33	1232	0	0	61	12	0	15	8	0
2	23	1	6	4	1	14	0	14	0	0	5	1	8	34	1269	6	8	63	9	4	15	17	4
2	22	1	6	0	1	13	0	13	8	0	4	1	4	35	1306	13	4	65	6	8	16	6	8
2	21	1	5	8	1	12	0	13	4	0	3	1	0	36	1344	0	0	67	4	0	16	16	0
2	20	1	5	4	1	11	0	13	0	0	2	0	8	37	1381	6	8	69	1	4	17	5	4
2	19	1	5	0	1	10	0	12	8	0	1	0	4	38	1418	13	4	70	18	8	17	14	8

Note—1d. per lb.

£37 10s. per ton, £1 17s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£37 10s. per ton.			£1 17s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 9s. 4½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	17	2	2	18	1	4	9¾	1	9	12	4¾	2	75	0	0	3	15	0	0	18	9
3	26	1	16	10	2	17	1	4	5¼	1	8	12	0¼	3	112	10	0	5	12	6	1	8	1½
3	25	1	16	6	2	16	4	4	1¼	1	7	11	8¼	4	150	0	0	7	10	0	1	17	6
3	24	1	16	2	2	15	1	3	9¼	1	6	11	4¼	5	187	10	0	9	7	6	2	6	10½
3	23	1	15	10	2	14	1	3	5¼	1	5	11	0¼	6	225	0	0	11	5	0	2	16	3
3	22	1	15	6	2	13	1	3	1¼	1	4	10	8¼	7	262	10	0	13	2	6	3	5	7½
3	21	1	15	2	2	12	1	2	9¼	1	3	10	4¼	8	300	0	0	15	0	0	3	15	0
3	20	1	14	10	2	11	1	2	5¼	1	2	10	0¼	9	337	10	0	16	17	6	4	4	4½
3	19	1	14	6	2	10	1	2	1¼	1	1	9	8¼	10	375	0	0	18	15	0	4	13	9
3	18	1	14	2	2	9	1	1	9¼	1	0	9	4¼	11	412	10	0	20	12	6	5	3	1½
3	17	1	13	10	2	8	1	1	5¼	0	27	9	0¼	12	450	0	0	22	10	0	5	12	6
3	16	1	13	6	2	7	1	1	1	0	26	8	8¼	13	487	10	0	24	7	6	6	1	10½
3	15	1	13	2	2	6	1	0	9	0	25	8	4¼	14	525	0	0	26	5	0	6	11	3
3	14	1	12	9¾	2	5	1	0	5	0	24	8	0¼	15	562	10	0	28	2	6	7	0	7½
3	13	1	12	5¾	2	4	1	0	1	0	23	7	8¼	16	600	0	0	30	0	0	7	10	0
3	12	1	12	1¾	2	3	0	19	9	0	22	7	4¼	17	637	10	0	31	17	6	7	19	4½
3	11	1	11	9¾	2	2	0	19	5	0	21	7	0¼	18	675	0	0	33	15	0	8	8	9
3	10	1	11	5¾	2	1	0	19	1	0	20	6	8¼	19	712	10	0	35	12	6	8	18	1½
3	9	1	11	1¾	2	0	0	18	9	0	19	6	4¼	20	750	0	0	37	10	0	9	7	6
3	8	1	10	9¾	1	27	0	18	5	0	18	6	0¼	21	787	10	0	39	7	6	9	16	10½
3	7	1	10	5¾	1	26	0	18	1	0	17	5	8¼	22	825	0	0	41	5	0	10	6	3
3	6	1	10	1¾	1	25	0	17	9	0	16	5	4¼	23	862	10	0	43	2	6	10	15	7½
3	5	1	9	9¾	1	24	0	17	5	0	15	5	0¼	24	900	0	0	45	0	0	11	5	0
3	4	1	9	5¾	1	23	0	17	1	0	14	4	8¼	25	937	10	0	46	17	6	11	14	4½
3	3	1	9	1¾	1	22	0	16	9	0	13	4	4¼	26	975	0	0	48	15	0	12	3	9
3	2	1	8	9¾	1	21	0	16	5	0	12	4	0¼	27	1012	10	0	50	12	6	12	13	1½
3	1	1	8	5¾	1	20	0	16	1	0	11	3	8¼	28	1050	0	0	52	10	0	13	2	6
3	0	1	8	1¾	1	19	0	15	8¾	0	10	3	4¼	29	1087	10	0	54	7	6	13	11	10½
2	27	1	7	9¾	1	18	0	15	4¾	0	9	3	0¼	30	1125	0	0	56	5	0	14	1	3
2	26	1	7	5¾	1	17	0	15	0¾	0	8	2	8¼	31	1162	10	0	58	2	6	14	10	7½
2	25	1	7	1¾	1	16	0	14	8¾	0	7	2	4¼	32	1200	0	0	60	0	0	15	0	0
2	24	1	6	9¾	1	15	0	14	4¾	0	6	2	0¼	33	1237	10	0	61	17	6	15	9	4½
2	23	1	6	5¾	1	14	0	14	0¾	0	5	1	8¼	34	1275	0	0	63	15	0	15	18	9
2	22	1	6	1¾	1	13	0	13	8¾	0	4	1	4¼	35	1312	10	0	65	12	6	16	8	1½
2	21	1	5	9¾	1	12	0	13	4¾	0	3	1	0	36	1350	0	0	67	10	0	16	17	6
2	20	1	5	5¾	1	11	0	13	0¾	0	2	0	8	37	1387	10	0	69	7	6	17	6	10½
2	19	1	5	1¾	1	10	0	12	8¾	0	1	0	4	38	1425	0	0	71	5	0	17	16	3

£38 per ton, £1 18s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£38 per ton.			£1 18s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yard, aver. 9s, 6d.		
qr	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s	d.	£	s.	d.	£	s.	d.
3	27	1	17	8	2	18	1	5	1	1	9	12	7	2	76	0	0	3	16	0	0	19	0
3	26	1	17	4	2	17	1	4	9	1	8	12	3	3	114	0	0	5	14	0	1	8	6
3	25	1	17	0	2	16	1	4	5	1	7	11	10½	4	152	0	0	7	12	0	1	18	0
3	24	1	16	7½	2	15	1	4	1	1	6	11	6½	5	190	0	0	9	10	0	2	7	6
3	23	1	16	3½	2	14	1	3	9	1	5	11	2½	6	228	0	0	11	8	0	2	17	0
3	22	1	15	11½	2	13	1	3	5	1	4	10	10½	7	266	0	0	13	6	0	3	6	6
3	21	1	15	7	2	12	1	3	1	1	3	10	6½	8	304	0	0	15	4	0	3	16	0
3	20	1	15	3	2	11	1	2	8½	1	2	10	2	9	342	0	0	17	2	0	4	5	6
3	19	1	14	11	2	10	1	2	4½	1	1	9	10	10	380	0	0	19	0	0	4	15	0
3	18	1	14	7	2	9	1	2	0½	1	0	9	6	11	418	0	0	20	18	0	5	4	6
3	17	1	14	3	2	8	1	1	8½	0	27	9	2	12	456	0	0	22	16	0	5	14	0
3	16	1	13	11	2	7	1	1	4½	0	26	8	10	13	494	0	0	24	14	0	6	3	6
3	15	1	13	7	2	6	1	1	0	0	25	8	6	14	532	0	0	26	12	0	6	13	0
3	14	1	13	3	2	5	1	0	8	0	24	8	1½	15	570	0	0	28	10	0	7	2	6
3	13	1	12	11	2	4	1	3	4	0	23	7	9½	16	608	0	0	30	8	0	7	12	0
3	12	1	12	7	2	3	1	0	0	0	22	7	5½	17	646	0	0	32	6	0	8	1	6
3	11	1	12	3	2	2	0	19	8	0	21	7	1½	18	684	0	0	34	4	0	8	11	0
3	10	1	11	11	2	1	0	19	4	0	20	6	9½	19	722	0	0	36	2	0	9	0	6
3	9	1	11	7	2	0	0	19	0	0	19	6	5½	20	760	0	0	38	0	0	9	10	0
3	8	1	11	3	1	27	0	18	8	0	18	6	1	21	798	0	0	39	18	0	9	19	6
3	7	1	10	10½	1	26	0	18	4	0	17	5	9	22	836	0	0	41	16	0	10	9	0
3	6	1	10	6½	1	25	0	18	0	0	16	5	5	23	874	0	0	43	14	0	10	18	6
3	5	1	10	2½	1	24	0	17	7½	0	15	5	1	24	912	0	0	45	12	0	11	8	0
3	4	1	9	10	1	23	0	17	3½	0	14	4	9	25	950	0	0	47	10	0	11	17	6
3	3	1	9	6	1	22	0	16	11½	0	13	4	5	26	988	0	0	49	8	0	12	7	0
3	2	1	9	2	1	21	0	16	7½	0	12	4	1	27	1026	0	0	51	6	0	12	16	6
3	1	1	8	10	1	20	0	16	3½	0	11	3	9	28	1064	0	0	53	4	0	13	6	0
3	0	1	8	6	1	19	0	15	11½	0	10	3	5	29	1102	0	0	55	2	0	13	15	6
2	27	1	8	2	1	18	0	15	7	0	9	3	1	30	1140	0	0	57	0	0	14	5	0
2	26	1	7	10	1	17	0	15	3	0	8	2	8½	31	1178	0	0	58	18	0	14	14	6
2	25	1	7	6	1	16	0	14	11	0	7	2	4½	32	1216	0	0	60	16	0	15	4	0
2	24	1	7	2	1	15	0	14	7	0	6	2	0½	33	1254	0	0	62	14	0	15	13	6
2	23	1	6	10	1	14	0	14	3	0	5	1	8½	34	1292	0	0	64	12	0	16	3	0
2	22	1	6	5½	1	13	0	13	11	0	4	1	4½	35	1330	0	0	66	10	0	16	12	6
2	21	1	6	1½	1	12	0	13	7	0	3	1	0½	36	1368	0	0	68	8	0	17	2	0
2	20	1	5	9½	1	11	0	13	3	0	2	0	8	37	1406	0	0	70	6	0	17	11	6
2	19	1	5	5	1	10	0	12	11	0	1	0	4	38	1444	0	0	72	4	0	18	1	0

£38 10s. per ton, £1 18s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£38 10s. per ton.			£1 18s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 9s. 7¼d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	18	2	2	18	1	5	5¼	1	9	12	8¼	2	77	0	0	3	17	0	0	19	3
3	26	1	17	9¾	2	17	1	5	1	1	8	12	4½	3	115	10	0	5	15	6	1	8	10½
3	25	1	17	5¾	2	16	1	4	9	1	7	12	0	4	154	0	0	7	14	0	1	18	6
3	24	1	17	1¾	2	15	1	4	5	1	6	11	8	5	192	10	0	9	12	6	2	8	1½
3	23	1	16	9¼	2	14	1	4	0¾	1	5	11	3¾	6	231	0	0	11	11	0	2	17	9
3	22	1	16	5¼	2	13	1	3	8¼	1	4	10	11¼	7	269	10	0	13	9	6	3	7	4½
3	20	1	16	1¼	2	12	1	3	4¼	1	3	10	7¼	8	308	0	0	15	8	0	3	17	0
3	21	1	15	9	2	11	1	3	0¼	1	2	10	3¼	9	346	10	0	17	6	6	4	6	7½
3	19	1	15	5	2	10	1	2	8	1	1	9	11¼	10	385	0	0	19	5	0	4	16	3
3	18	1	15	0¾	2	9	1	2	4	1	0	9	7¼	11	423	10	0	21	3	6	5	5	10½
3	17	1	14	8¾	2	8	1	2	0	0	27	9	3¼	12	462	0	0	23	2	0	5	15	6
3	16	1	14	4¼	2	7	1	1	7¾	0	26	8	11	13	500	10	0	25	0	6	6	5	1½
3	15	1	14	0¼	2	6	1	1	3¼	0	25	8	7	14	539	0	0	26	19	0	6	14	9
3	14	1	13	8¼	2	5	1	0	11¼	0	24	8	2¾	15	577	10	0	28	17	6	7	4	4½
3	13	1	13	4	2	4	1	0	7¼	0	23	7	10¼	16	616	0	0	30	16	0	7	14	0
3	12	1	13	0	2	3	1	0	3¼	0	22	7	6¼	17	654	10	0	32	14	6	8	3	7½
3	11	1	12	7¾	2	2	0	19	11	0	21	7	2	18	693	0	0	34	13	0	8	13	3
3	10	1	12	3¾	2	1	0	19	7	0	20	6	9¾	19	731	10	0	36	11	6	9	2	10½
3	9	1	11	11¼	2	0	0	19	3	0	19	6	5¾	20	770	0	0	38	10	0	9	12	6
3	8	1	11	7¼	1	27	0	18	11	0	18	6	1¾	21	808	10	0	40	8	6	10	2	1½
3	7	1	11	3¼	1	26	0	18	6¾	0	17	5	9¾	22	847	0	0	42	7	0	10	11	9
3	6	1	10	11	1	25	0	18	2¼	0	16	5	5¾	23	885	10	0	44	5	6	11	1	4½
3	5	1	10	7	1	24	0	17	10¼	0	15	5	1¾	24	924	0	0	46	4	0	11	11	0
3	4	1	10	2¾	1	23	0	17	6¼	0	14	4	9¾	25	962	10	0	48	2	6	12	0	7½
3	3	1	9	10¼	1	22	0	17	2¼	0	13	4	5¾	26	1001	0	0	50	1	0	12	10	3
3	2	1	9	6¼	1	21	0	16	10	0	12	4	1¾	27	1039	10	0	51	19	6	12	19	10½
3	1	1	9	2¼	1	20	0	16	6	0	11	3	9¾	28	1078	0	0	53	18	0	13	9	6
3	0	1	8	10½	1	19	0	16	1¾	0	10	3	5¾	29	1116	10	0	55	16	6	13	19	1½
2	27	1	8	6¼	1	18	0	15	9¼	0	9	3	1¾	30	1155	0	0	57	15	0	14	8	9
2	26	1	8	2¼	1	17	0	15	5¼	0	8	2	9	31	1193	10	0	59	13	6	14	18	4½
2	25	1	7	10	1	16	0	15	1¼	0	7	2	5	32	1232	0	0	61	12	0	15	8	0
2	24	1	7	6	1	15	0	14	9¼	0	6	2	1	33	1270	10	0	63	10	6	15	17	7½
2	23	1	7	2	1	14	0	14	5¼	0	5	1	8¾	34	1309	0	0	65	9	0	16	7	3
2	22	1	6	9¾	1	13	0	14	1	0	4	1	4¾	35	1347	10	0	67	7	6	16	16	10½
2	21	1	6	5¾	1	12	0	13	9	0	3	1	0¾	36	1386	0	0	69	6	0	17	6	6
2	20	1	6	1¾	1	11	0	13	4¾	0	2	0	8	37	1424	10	0	71	4	6	17	16	1½
2	19	1	5	9¼	1	10	0	13	0¼	0	1	0	4	38	1463	0	0	73	3	0	18	5	9

£39 per ton, £1 19s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£39 per ton.			£1 19s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day. ½yard, average 0s. 9d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	18	8	2	18	1	5	9	1	9	12	10½	2	78	0	0	3	18	0	0	19	6
3	26	1	18	4	2	17	1	5	5	1	8	12	6½	3	117	0	0	5	17	0	1	9	3
3	25	1	17	11¾	2	16	1	5	0¾	1	7	12	2	4	156	0	0	7	16	0	1	19	0
3	24	1	17	7½	2	15	1	4	8½	1	6	11	10	5	195	0	0	9	15	0	2	8	9
3	23	1	17	3¼	2	14	1	4	4¼	1	5	11	5¾	6	234	0	0	11	14	0	2	18	6
3	22	1	16	11	2	13	1	4	0¼	1	4	11	1½	7	273	0	0	13	13	0	3	8	3
3	21	1	16	6¾	2	12	1	3	8	1	3	10	9½	8	312	0	0	15	12	0	3	18	0
3	20	1	16	2½	2	11	1	3	4	1	2	10	5	9	351	0	0	17	11	0	4	7	9
3	19	1	15	10¼	2	10	1	3	0	1	1	10	1	10	390	0	0	19	10	0	4	17	6
3	18	1	15	6	2	9	1	2	7¾	1	0	9	9	11	429	0	0	21	9	0	5	7	3
3	17	1	15	1¾	2	8	1	2	3½	0	27	9	5	12	468	0	0	23	8	0	5	17	0
3	16	1	14	9½	2	7	1	1	11¼	0	26	9	1	13	507	0	0	25	7	0	6	6	9
3	15	1	14	5¼	2	6	1	1	7	0	25	8	8¾	14	546	0	0	27	6	0	6	16	6
3	14	1	14	1¼	2	5	1	1	2¾	0	24	8	4½	15	585	0	0	29	5	0	7	6	3
3	13	1	13	9¼	2	4	1	0	10¼	0	23	8	0¼	16	624	0	0	31	4	0	7	16	0
3	12	1	13	5	2	3	1	0	6¼	0	22	7	8	17	663	0	0	33	3	0	8	5	9
3	11	1	13	1	2	2	1	0	2	0	21	7	3¾	18	702	0	0	35	2	0	8	15	6
3	10	1	12	8¾	2	1	0	19	10	0	20	6	11½	19	741	0	0	37	1	0	9	5	3
3	9	1	12	4½	2	0	0	19	6	0	19	6	7¼	20	780	0	0	39	0	0	9	15	0
3	8	1	12	0¼	1	27	0	19	2	0	18	6	3	21	819	0	0	40	19	0	10	4	9
3	7	1	11	8	1	26	0	18	9¾	0	17	5	11	22	858	0	0	42	18	0	10	14	6
3	6	1	11	4	1	25	0	18	5½	0	16	5	6¾	23	897	0	0	44	17	0	11	4	3
3	5	1	10	11¾	1	24	0	18	1¼	0	15	5	2½	24	936	0	0	46	16	0	11	14	0
3	4	1	10	7½	1	23	0	17	9	0	14	4	10¼	25	975	0	0	48	15	0	12	3	9
3	3	1	10	3¼	1	22	0	17	5	0	13	4	6¼	26	1014	0	0	50	14	0	12	13	6
3	2	1	9	11	1	21	0	17	0¾	0	12	4	2¼	27	1053	0	0	52	13	0	13	3	3
3	1	1	9	7	1	20	0	16	8½	0	11	3	10	28	1092	0	0	54	12	0	13	13	0
3	0	1	9	3	1	19	0	16	4¼	0	10	3	6	29	1131	0	0	56	11	0	14	2	9
2	27	1	8	11	1	18	0	16	0	0	9	3	1¾	30	1170	0	0	58	10	0	14	12	6
2	26	1	8	6¾	1	17	0	15	8	0	8	2	9½	31	1209	0	0	60	9	0	15	2	3
2	25	1	8	2½	1	16	0	15	3¾	0	7	2	5¼	32	1248	0	0	62	8	0	15	12	0
2	24	1	7	10¼	1	15	0	14	11½	0	6	2	1¼	33	1287	0	0	64	7	0	16	1	9
2	23	1	7	6	1	14	0	14	7½	0	5	1	9	34	1326	0	0	66	6	0	16	11	6
2	22	1	7	1¾	1	13	0	14	3¼	0	4	1	4¾	35	1365	0	0	68	5	0	17	1	3
2	21	1	6	9½	1	12	0	13	11	0	3	1	0½	36	1404	0	0	70	4	0	17	11	0
2	20	1	6	5¼	1	11	0	13	7	0	2	0	8½	37	1443	0	0	72	3	0	18	0	9
2	19	1	6	1	1	10	0	13	2¾	0	1	0	4	38	1482	0	0	74	2	0	18	10	6

£39 10s. per ton, £1 19s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£39 10s. per ton.			£1 19s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 9s. 10½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	19	2	2	18	1	6	1	1	9	13	0½	2	79	0	0	3	19	0	0	19	9
3	26	1	18	9¾	2	17	1	5	8¾	1	8	12	8½	3	118	10	0	5	18	6	1	9	7½
3	25	1	18	5½	2	16	1	5	4½	1	7	12	4	4	158	0	0	7	18	0	1	19	6
3	24	1	18	1¼	2	15	1	5	0¼	1	6	11	11¾	5	197	10	0	9	17	6	2	9	4¾
3	23	1	17	9	2	14	1	4	8½	1	5	11	7½	6	237	0	0	11	17	0	2	19	3
3	22	1	17	4¾	2	13	1	4	4	1	4	11	3¼	7	276	10	0	13	16	6	3	9	1¾
3	21	1	17	0¼	2	12	1	3	11¾	1	3	10	11	8	316	0	0	15	16	0	3	19	0
3	20	1	16	8¼	2	11	1	3	7¼	1	2	10	6¾	9	355	10	0	17	15	6	4	8	10¼
3	19	1	16	4	2	10	1	3	3¼	1	1	10	2¼	10	395	0	0	19	15	0	4	18	9
3	18	1	15	11¾	2	9	1	2	11	1	0	9	10¼	11	434	10	0	21	14	6	5	8	7¾
3	17	1	15	7½	2	8	1	2	6¾	0	27	9	6¾	12	474	0	0	23	14	0	5	18	6
3	16	1	15	3¼	2	7	1	2	2¼	0	26	9	2	13	513	10	0	25	13	6	6	8	4¼
3	15	1	14	11	2	6	1	1	10¼	0	25	8	9¾	14	553	0	0	27	13	0	6	18	3
3	14	1	14	6¾	2	5	1	1	6	0	24	8	5¼	15	592	10	0	29	12	6	7	8	1¾
3	13	1	14	2½	2	4	1	1	1¾	0	23	8	1¼	16	632	0	0	31	12	0	7	18	0
3	12	1	13	10¼	2	3	1	0	9¼	0	22	7	9	17	671	10	0	33	11	6	8	7	10¼
3	11	1	13	6	2	2	1	0	5¼	0	21	7	4¾	18	711	0	0	35	11	0	8	17	9
3	10	1	13	1¾	2	1	1	0	1	0	20	7	0¼	19	750	10	0	37	10	6	9	7	7½
3	9	1	12	9½	2	0	0	19	9	0	19	6	8½	20	790	0	0	39	10	0	9	17	6
3	8	1	12	5¼	1	27	0	19	4¾	0	18	6	4	21	829	10	0	41	9	6	10	7	4¾
3	7	1	12	1	1	26	0	19	0¼	0	17	5	11¾	22	869	0	0	43	9	0	10	17	3
3	6	1	11	8¾	1	25	0	18	8¾	0	16	5	7½	23	908	10	0	45	8	6	11	7	1½
3	5	1	11	4½	1	24	0	18	4	0	15	5	3¼	24	948	0	0	47	8	0	11	17	0
3	4	1	11	0¼	1	23	0	17	11¾	0	14	4	11¼	25	987	10	0	49	7	6	12	6	10½
3	3	1	10	8	1	22	0	17	7¾	0	13	4	7	26	1027	0	0	51	7	0	12	16	9
3	2	1	10	3¾	1	21	0	17	3¼	0	12	4	2¾	27	1066	10	0	53	6	6	13	6	7¼
3	1	1	9	11½	1	20	0	16	11	0	11	3	10¼	28	1106	0	0	55	6	0	13	16	6
3	0	1	9	7¼	1	19	0	16	6¾	0	10	3	6¼	29	1145	10	0	57	5	6	14	6	4¾
2	27	1	9	3¼	1	18	0	16	2¼	0	9	3	2	30	1185	0	0	59	5	0	14	16	3
2	26	1	8	11	1	17	0	15	10¼	0	8	2	9¾	31	1224	10	0	61	4	6	15	6	1½
2	25	1	8	6¾	1	16	0	15	6	0	7	2	5¼	32	1264	0	0	63	4	0	15	16	0
2	24	1	8	2¼	1	15	0	15	1¾	0	6	2	1¼	33	1303	10	0	65	3	6	16	5	10¼
2	23	1	7	10¼	1	14	0	14	9¾	0	5	1	9	34	1343	0	0	67	3	0	16	15	9
2	22	1	7	6	1	13	0	14	5¼	0	4	1	4¾	35	1382	10	0	69	2	6	17	5	7¼
2	21	1	7	1¾	1	12	0	14	1¼	0	3	1	0¼	36	1422	0	0	71	2	0	17	15	6
2	20	1	6	9½	1	11	0	13	9	0	2	0	8½	37	1461	10	0	73	1	6	18	5	4½
2	19	1	6	5¼	1	10	0	13	4¾	0	1	0	4	38	1501	0	0	75	1	0	18	15	3

£39 13s. 4d. per ton, £1 19s. 8d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£39 13s. 4d. per ton.			£1 19s. 8d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, av. 9s. 11d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	19	3¾	2	18	1	6	2¾	1	9	13	1½	2	79	6	8	3	19	4	0	19	10
3	26	1	18	11¼	2	17	1	5	10½	1	8	12	9	3	119	0	0	5	19	0	1	9	9
3	25	1	18	7½	2	16	1	5	6	1	7	12	4¾	4	158	13	4	7	18	8	1	19	8
3	24	1	18	3	2	15	1	5	1¾	1	6	12	0¼	5	198	6	8	9	18	4	2	9	7
3	23	1	17	10¾	2	14	1	4	9½	1	5	11	8¼	6	238	0	0	11	18	0	2	19	6
3	22	1	17	6¼	2	13	1	4	5½	1	4	11	4	7	277	13	4	13	17	8	3	9	5
3	21	1	17	2¾	2	12	1	4	1	1	3	10	11¾	8	317	6	8	15	17	4	3	19	4
3	20	1	16	10	2	11	1	3	8¾	1	2	10	7½	9	357	0	0	17	17	0	4	9	3
3	19	1	16	5¾	2	10	1	3	4½	1	1	10	3¼	10	396	13	4	19	16	8	4	19	2
3	18	1	16	1¾	2	9	1	3	0½	1	0	9	11	11	436	6	8	21	16	4	5	9	1
3	17	1	15	9¼	2	8	1	2	8	0	27	9	6¾	12	476	0	0	23	16	0	5	19	0
3	16	1	15	5	2	7	1	2	3¾	0	26	9	2½	13	515	13	4	25	15	8	6	8	11
3	15	1	15	0¾	2	6	1	1	11½	0	25	8	10¼	14	555	6	8	27	15	4	6	18	10
3	14	1	14	8¼	2	5	1	1	7½	0	24	8	6	15	595	0	0	29	15	0	7	8	9
3	13	1	14	4¼	2	4	1	1	3	0	23	8	1¾	16	634	13	4	31	14	8	7	18	8
3	12	1	14	0	2	3	1	0	10¾	0	22	7	9¼	17	674	6	8	33	14	4	8	8	7
3	11	1	13	7¾	2	2	1	0	6½	0	21	7	5¼	18	714	0	0	35	14	0	8	18	6
3	10	1	13	3¼	2	1	1	0	2½	0	20	7	1	19	753	13	4	37	13	8	9	8	5
3	9	1	12	11¼	2	0	0	19	10	0	19	6	8¾	20	793	6	8	39	13	4	9	18	4
3	8	1	12	7	1	27	0	19	5¾	0	18	6	4½	21	833	0	0	41	13	0	10	8	3
3	7	1	12	2¾	1	26	0	19	1½	0	17	6	0¼	22	872	13	4	43	12	8	10	18	2
3	6	1	11	10¼	1	25	0	18	9½	0	16	5	8	23	912	6	8	45	12	4	11	8	1
3	5	1	11	6¼	1	24	0	18	5	0	15	5	3¾	24	952	0	0	47	12	0	11	18	0
3	4	1	11	2	1	23	0	18	0¾	0	14	4	11½	25	991	13	4	49	11	8	12	7	11
3	3	1	10	9¾	1	22	0	17	8½	0	13	4	7¼	26	1031	6	8	51	11	4	12	17	10
3	2	1	10	5¼	1	21	0	17	4¾	0	12	4	3	27	1071	0	0	53	11	0	13	7	9
3	1	1	10	1¼	1	20	0	17	0	0	11	3	10¾	28	1110	13	4	55	10	8	13	17	8
3	0	1	9	9	1	19	0	16	7¾	0	10	3	6¼	29	1150	6	8	57	10	4	14	7	7
2	27	1	9	4¾	1	18	0	16	3½	0	9	3	2¼	30	1190	0	0	59	10	0	14	17	6
2	26	1	9	0¼	1	17	0	15	11½	0	8	2	10	31	1229	13	4	61	9	8	15	7	5
2	25	1	8	8¼	1	16	0	15	7	0	7	2	5¾	32	1269	6	8	63	9	4	15	17	4
2	24	1	8	4	1	15	0	15	2¾	0	6	2	1½	33	1309	0	0	65	9	0	16	7	3
2	23	1	7	11¾	1	14	0	14	10½	0	5	1	9¼	34	1348	13	4	67	8	8	16	17	2
2	22	1	7	7¼	1	13	0	14	6¼	0	4	1	5	35	1388	6	8	69	8	4	17	7	1
2	21	1	7	3¼	1	12	0	14	2	0	3	1	0¾	36	1428	0	0	71	8	0	17	17	0
2	20	1	6	11	1	11	0	13	9¾	0	2	0	8¼	37	1467	13	4	73	7	8	18	6	11
2	19	1	6	6¾	1	10	0	13	5¼	0	1	0	4¼	38	1507	6	8	75	7	4	18	16	10

Note—4¼*d.* per lb.

£40 per ton, £2 per cwt. Rate per qr. cwt., stone, and lb.											No.	£40 per ton.			£2 per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., aver. 10s.		
qr.	lb.	£	s	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	1	19	7¾	2	18	1	6	5	1	9	13	2¾	2	80	0	0	4	0	0	1	0	0
3	26	1	19	3½	2	17	1	6	0¾	1	8	12	10½	3	120	0	0	6	0	0	1	10	0
3	25	1	18	11¼	2	16	1	5	8¼	1	7	12	6	4	160	0	0	8	0	0	2	0	0
3	24	1	18	7	2	15	1	5	4¼	1	6	12	1¾	5	200	0	0	10	0	0	2	10	0
3	23	1	18	2¾	2	14	1	5	0	1	5	11	9½	6	240	0	0	12	0	0	3	0	0
3	22	1	17	10½	2	13	1	4	7¾	1	4	11	5¼	7	280	0	0	14	0	0	3	10	0
3	21	1	17	6¼	2	12	1	4	3¼	1	3	11	1	8	320	0	0	16	0	0	4	0	0
3	20	1	17	2	2	11	1	3	11¼	1	2	10	8¾	9	360	0	0	18	0	0	4	10	0
3	19	1	16	9¾	2	10	1	3	7	1	1	10	4½	10	400	0	0	20	0	0	5	0	0
3	18	1	16	5½	2	9	1	3	2¾	1	0	10	0	11	440	0	0	22	0	0	5	10	0
3	17	1	16	1¼	2	8	1	2	10¼	0	27	9	7¾	12	480	0	0	24	0	0	6	0	0
3	16	1	15	8¾	2	7	1	2	6	0	26	9	3½	13	520	0	0	26	0	0	6	10	0
3	15	1	15	4½	2	6	1	2	1¾	0	25	8	11¼	14	560	0	0	28	0	0	7	0	0
3	14	1	15	0	2	5	1	1	9¼	0	24	8	7	15	600	0	0	30	0	0	7	10	0
3	13	1	14	7¾	2	4	1	1	5	0	23	8	2¾	16	640	0	0	32	0	0	8	0	0
3	12	1	14	3½	2	3	1	1	0¾	0	22	7	10½	17	680	0	0	34	0	0	8	10	0
3	11	1	13	11¼	2	2	1	0	8¼	0	21	7	6	18	720	0	0	36	0	0	9	0	0
3	10	1	13	7	2	1	1	0	4¼	0	20	7	1¾	19	760	0	0	38	0	0	9	10	0
3	9	1	13	2¾	2	0	1	0	0	0	19	6	9½	20	800	0	0	40	0	0	10	0	0
3	8	1	12	10½	1	27	0	19	7¾	0	18	6	5¼	21	840	0	0	42	0	0	10	10	0
3	7	1	12	6	1	26	0	19	3¼	0	17	6	1	22	880	0	0	44	0	0	11	0	0
3	6	1	12	2¼	1	25	0	18	11¼	0	16	5	8¾	23	920	0	0	46	0	0	11	10	0
3	5	1	11	10	1	24	0	18	7	0	15	5	4½	24	960	0	0	48	0	0	12	0	0
3	4	1	11	5¾	1	23	0	18	2¾	0	14	5	0	25	1000	0	0	50	0	0	12	10	0
3	3	1	11	1½	1	22	0	17	10½	0	13	4	7¾	26	1040	0	0	52	0	0	13	0	0
3	2	1	10	9	1	21	0	17	6	0	12	4	3½	27	1080	0	0	54	0	0	13	10	0
2	1	1	10	4½	1	20	0	17	1¾	0	11	3	11¼	28	1120	0	0	56	0	0	14	0	0
2	0	1	10	0	1	19	0	16	9¼	0	10	3	7	29	1160	0	0	58	0	0	14	10	0
2	27	1	9	7¾	1	18	0	16	5	0	9	3	2¾	30	1200	0	0	60	0	0	15	0	0
2	26	1	9	3½	1	17	0	16	0¾	0	8	2	10½	31	1240	0	0	62	0	0	15	10	0
2	25	1	8	11	1	16	0	15	8¼	0	7	2	6	32	1280	0	0	64	0	0	16	0	0
2	24	1	8	6¾	1	15	0	15	4¼	0	6	2	1¾	33	1320	0	0	66	0	0	16	10	0
2	23	1	8	2½	1	14	0	15	0	0	5	1	9½	34	1360	0	0	68	0	0	17	0	0
2	22	1	7	10	1	13	0	14	7¾	0	4	1	5	35	1400	0	0	70	0	0	17	10	0
2	21	1	7	5¾	1	12	0	14	3¼	0	3	1	0¾	36	1440	0	0	72	0	0	18	0	0
2	20	1	7	1½	1	11	0	13	11¼	0	2	0	8¼	37	1480	0	0	74	0	0	18	10	0
2	19	1	6	9¼	1	10	0	13	7	0	1	0	4¼	38	1520	0	0	76	0	0	19	0	0

£40 16s. per ton, £2 0s. 6d. per cwt. Rate per qr. cwt., stone, and lb.										No.	£40 10s. per ton.			£2 0s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 10s. 1½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s. d.	£	s.	d.	£	s.	d.
3	27	2	0	2¾	2	18	1	6	9	1	9	13	4½	2	81	0 0	4	1	0	1	0	3
3	26	1	19	10¼	2	17	1	6	4½	1	8	13	0	3	121	10 0	6	1	6	1	10	4½
3	25	1	19	6	2	16	1	6	0¼	1	7	12	7¾	4	162	0 0	8	2	0	2	0	6
3	24	1	19	1¾	2	15	1	5	8	1	6	12	3½	5	202	10 0	10	2	6	2	10	7½
3	23	1	18	9½	2	14	1	5	3¾	1	5	11	11	6	243	0 0	12	3	0	3	0	9
3	22	1	18	5	2	13	1	4	11¼	1	4	11	6¾	7	283	10 0	14	3	6	3	10	10½
3	21	1	18	0¼	2	12	1	4	7	1	3	11	2¼	8	324	0 0	16	4	0	4	1	0
3	20	1	17	8¼	2	11	1	4	2¾	1	2	10	10	9	364	10 0	18	4	6	4	11	1½
3	19	1	17	3¾	2	10	1	3	10¼	1	1	10	5¾	10	405	0 0	20	5	0	5	1	3
3	18	1	16	11¼	2	9	1	3	6	1	0	10	1½	11	445	10 0	22	5	6	5	11	4½
3	17	1	16	6¾	2	8	1	3	1¾	0	27	9	9	12	486	0 0	24	6	0	6	1	6
3	16	1	16	2¼	2	7	1	2	9½	0	26	9	4¼	13	526	10 0	26	6	6	6	11	7½
3	15	1	15	9¼	2	6	1	2	5	0	25	9	0½	14	567	0 0	28	7	0	7	1	9
3	14	1	15	5¼	2	5	1	2	0¾	0	24	8	8	15	607	10 0	30	7	6	7	11	10½
3	13	1	15	0¾	2	4	1	1	8¼	0	23	8	3¾	16	648	0 0	32	8	0	8	2	0
3	12	1	14	8½	2	3	1	1	3¼	0	22	7	11½	17	688	10 0	34	8	6	8	12	1½
3	11	1	14	4	2	2	1	0	11¼	0	21	7	7	18	729	0 0	36	9	0	9	2	3
3	10	1	13	11¼	2	1	1	0	7¼	0	20	7	2¾	19	769	10 0	38	9	6	9	12	4½
3	9	1	13	7¼	2	0	1	0	3	0	19	6	10½	20	810	0 0	40	10	0	10	2	6
3	8	1	13	2¾	1	27	0	19	10¼	0	18	6	6	21	850	10 0	42	10	6	10	12	7½
3	7	1	12	10¼	1	26	0	19	6½	0	17	6	1¾	22	891	0 0	44	11	0	11	2	9
3	6	1	12	6¼	1	25	0	19	2	0	16	5	9½	23	931	10 0	46	11	6	11	12	10½
3	5	1	12	2	1	24	0	18	9¾	0	15	5	5¼	24	972	0 0	48	12	0	12	3	0
3	4	1	11	9½	1	23	0	18	5¼	0	14	5	0¾	25	1012	10 0	50	12	6	12	13	1½
3	3	1	11	5¼	1	22	0	18	1	0	13	4	8½	26	1053	0 0	52	13	0	13	3	3
3	2	1	11	1	1	21	0	17	8¾	0	12	4	4½	27	1093	10 0	54	13	6	13	13	4½
3	1	1	10	8¾	1	20	0	17	4¼	0	11	4	0	28	1134	0 0	56	14	0	14	3	6
3	0	1	10	4¾	1	19	0	17	0	0	10	3	7½	29	1174	10 0	58	14	6	14	13	7½
2	27	1	10	0	1	18	0	16	7¾	0	9	3	3	30	1215	0 0	60	15	0	15	3	9
2	26	1	9	7¾	1	17	0	16	3¼	0	8	2	10½	31	1255	10 0	62	15	6	15	13	10½
2	25	1	9	3¼	1	16	0	15	11	0	7	2	6	32	1296	0 0	64	16	0	16	4	0
2	24	1	8	11¼	1	15	0	15	6¾	0	6	2	1¼	33	1336	10 0	66	16	6	16	14	1½
2	23	1	8	7	1	14	0	15	2¼	0	5	1	9½	34	1377	0 0	68	17	0	17	4	3
2	22	1	8	2½	1	13	0	14	10	0	4	1	5	35	1417	10 0	70	17	6	17	14	4½
2	21	1	7	10	1	12	0	14	5¾	0	3	1	0¾	36	1458	0 0	72	18	0	18	4	6
2	20	1	7	5¾	1	11	0	14	1½	0	2	0	8¼	37	1498	10 0	74	18	6	18	14	7½
2	19	1	7	1¼	1	10	0	13	9	0	1	0	4¼	38	1539	0 0	76	19	0	19	4	9

£41 per ton, £2 1s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£41 per ton.			£2 1s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day ¼ yard, aver. 10s. 3d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	0	7¾	2	18	1	7	1	1	9	13	6	2	82	0	0	4	2	0	1	0	6
3	26	2	0	3¼	2	17	1	6	8¾	1	8	13	1¼	3	123	0	0	6	3	0	1	10	9
3	25	1	19	11	2	16	1	6	4½	1	7	12	9¼	4	164	0	0	8	4	0	2	1	0
3	24	1	19	6¼	2	15	1	6	0	1	6	12	5	5	205	0	0	10	5	0	2	11	3
3	23	1	19	2½	2	14	1	5	7½	1	5	12	0¾	6	246	0	0	12	6	0	3	1	6
3	22	1	18	10	2	13	1	5	3	1	4	11	8½	7	287	0	0	14	7	0	3	11	9
3	21	1	18	5½	2	12	1	4	10¾	1	3	11	4	8	328	0	0	16	8	0	4	2	0
3	20	1	18	1	2	11	1	4	6¼	1	2	10	11¼	9	369	0	0	18	9	0	4	12	3
3	19	1	17	8½	2	10	1	4	2	1	1	10	7½	10	410	0	0	20	10	0	5	2	6
3	18	1	17	4	2	9	1	3	9¾	1	0	10	3	11	451	0	0	22	11	0	5	12	9
3	17	1	16	11½	2	8	1	3	5½	0	27	9	10¾	12	492	0	0	24	12	0	6	3	0
3	16	1	16	7	2	7	1	3	1	0	26	9	6½	13	533	0	0	26	13	0	6	13	3
3	15	1	16	2¾	2	6	1	2	8½	0	25	9	2	14	574	0	0	28	14	0	7	3	6
3	14	1	15	10½	2	5	1	2	4¼	0	24	8	9¾	15	615	0	0	30	15	0	7	13	9
3	13	1	15	6	2	4	1	2	0	0	23	8	5½	16	656	0	0	32	16	0	8	4	0
3	12	1	15	1½	2	3	1	1	7½	0	22	8	1	17	697	0	0	34	17	0	8	14	3
3	11	1	14	9	2	2	1	1	3	0	21	7	8¾	18	738	0	0	36	18	0	9	4	6
3	10	1	14	4½	2	1	1	0	10½	0	20	7	4½	19	779	0	0	38	19	0	9	14	9
3	9	1	14	0½	2	0	1	0	6	0	19	7	0	20	820	0	0	41	0	0	10	5	0
3	8	1	13	8	1	27	1	0	1½	0	18	6	7½	21	861	0	0	43	1	0	10	15	3
3	7	1	13	3¾	1	26	0	19	9	0	17	6	3	22	902	0	0	45	2	0	11	5	6
3	6	1	12	11¼	1	25	0	19	4¾	0	16	5	10½	23	943	0	0	47	3	0	11	15	9
3	5	1	12	7	1	24	0	19	0¼	0	15	5	6	24	984	0	0	49	4	0	12	6	0
3	4	1	12	2½	1	23	0	18	8	0	14	5	1½	25	1025	0	0	51	5	0	12	16	3
3	3	1	11	10	1	22	0	18	3½	0	13	4	9	26	1066	0	0	53	6	0	13	6	6
3	2	1	11	5½	1	21	0	17	11	0	12	4	4½	27	1107	0	0	55	7	0	13	16	9
3	1	1	11	1¼	1	20	0	17	6¾	0	11	4	0	28	1148	0	0	57	8	0	14	7	0
3	0	1	10	9	1	19	0	17	2½	0	10	3	7¼	29	1189	0	0	59	9	0	14	17	3
2	27	1	10	4½	1	18	0	16	10	0	9	3	3½	30	1230	0	0	61	10	0	15	7	6
2	26	1	10	0	1	17	0	16	5¼	0	8	2	11	31	1271	0	0	63	11	0	15	17	9
2	25	1	9	7¾	1	16	0	16	1½	0	7	2	6¾	32	1312	0	0	65	12	0	16	8	0
2	24	1	9	3⅜	1	15	0	15	9	0	6	2	2¼	33	1353	0	0	67	13	0	16	18	3
2	23	1	8	11	1	14	0	15	4½	0	5	1	10	34	1394	0	0	69	14	0	17	8	6
2	22	1	8	6¾	1	13	0	15	0	0	4	1	5½	35	1435	0	0	71	15	0	17	18	9
2	21	1	8	2¼	1	12	0	14	7½	0	3	1	1	36	1476	0	0	73	16	0	18	9	0
2	20	1	7	10	1	11	0	14	3	0	2	0	8½	37	1517	0	0	75	17	0	18	19	3
2	19	1	7	5½	1	10	0	13	10½	0	1	0	4¼	38	1558	0	0	77	18	0	19	9	6

£41 10s. per ton, £2 1s. 6d. per cwt. Rate per qr. cwt., stone, and lb.											No.	£41 10s. per ton.			£2 1s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, avr. 10s. 4½d.		
qr.	lb	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	1	1¾	2	18	1	7	4½	1	9	13	8½	2	83	0	0	4	3	0	1	0	9
3	26	2	0	9½	2	17	1	7	0	1	8	13	4	3	124	10	0	6	4	6	1	11	1½
3	25	2	0	5	2	16	1	6	7¼	1	7	12	11½	4	166	0	0	8	6	0	2	1	6
3	24	2	0	0½	2	15	1	6	3½	1	6	12	7	5	207	10	0	10	7	6	2	11	10½
3	23	1	19	8	2	14	1	5	11¼	1	5	12	2½	6	249	0	0	12	9	0	3	2	3
3	22	1	19	3½	2	13	1	5	7	1	4	11	10	7	290	10	0	14	10	6	3	12	7½
3	21	1	18	11	2	12	1	5	2½	1	3	11	5¾	8	332	0	0	16	12	0	4	3	0
3	20	1	18	6¾	2	11	1	4	10	1	2	11	1½	9	373	10	0	18	13	6	4	13	4½
3	19	1	18	2¼	2	10	1	4	5¾	1	1	10	9	10	415	0	0	20	15	0	5	3	9
3	18	1	17	9¾	2	9	1	4	1	1	0	10	4½	11	456	10	0	22	16	6	5	14	1½
3	17	1	17	5¼	2	8	1	3	8½	0	27	10	0	12	498	0	0	24	18	0	6	4	6
3	16	1	17	0¾	2	7	1	3	4	0	26	9	7½	13	539	10	0	26	19	6	6	14	10½
3	15	1	16	8¼	2	6	1	2	11½	0	25	9	3	14	581	0	0	29	1	0	7	5	3
3	14	1	16	3¾	2	5	1	2	7	0	24	8	10½	15	622	10	0	31	2	6	7	15	7½
3	13	1	15	11¾	2	4	1	2	2½	0	23	8	6	16	664	0	0	33	4	0	8	6	0
3	12	1	15	6¾	2	3	1	1	10	0	22	8	1½	17	705	10	0	35	5	6	8	16	4½
3	11	1	15	2¼	2	2	1	1	5¼	0	21	7	9	18	747	0	0	37	7	0	9	6	9
3	10	1	14	9½	2	1	1	1	1½	0	20	7	4½	19	788	10	0	39	8	6	9	17	1½
3	9	1	14	5¼	2	0	1	0	9	0	19	7	0	20	830	0	0	41	10	0	10	7	6
3	8	1	14	0¼	1	27	1	0	4½	0	18	6	7¼	21	871	10	0	43	11	6	10	17	10½
3	7	1	13	8¼	1	26	1	0	0	0	17	6	3½	22	913	0	0	45	13	0	11	8	3
3	6	1	13	3¼	1	25	0	19	7½	0	16	5	11	23	954	10	0	47	14	6	11	18	7½
3	6	1	12	11¼	1	24	0	19	3	0	15	5	6½	24	996	0	0	49	16	0	12	9	0
3	4	1	12	6¼	1	23	0	18	10½	0	14	5	2½	25	1037	10	0	51	17	6	12	19	4½
3	3	1	12	2¼	1	22	0	18	6	0	13	4	10	26	1079	0	0	53	19	0	13	9	9
3	2	1	11	10¼	1	21	0	18	1½	0	12	4	5½	27	1120	10	0	56	0	6	14	0	1½
3	1	1	11	6	1	20	0	17	9	0	11	4	1	28	1162	0	0	58	2	0	14	10	6
3	0	1	11	1½	1	19	0	17	4½	0	10	3	8½	29	1203	10	0	60	3	6	15	0	10½
2	27	1	10	9	1	18	0	17	0	0	9	3	4	30	1245	0	0	62	5	0	15	11	3
2	26	1	10	4½	1	17	0	16	7¾	0	8	2	11¾	31	1286	10	0	64	6	6	16	1	7½
2	25	1	10	0	1	16	0	16	3½	0	7	2	7¼	32	1328	0	0	66	8	0	16	12	0
2	24	1	9	7½	1	15	0	15	11	0	6	2	2¾	33	1369	10	0	68	9	6	17	2	4½
2	23	1	9	3	1	14	0	15	6¾	0	5	1	10¼	34	1411	0	0	70	11	0	17	12	9
2	22	1	8	10½	1	13	0	15	2¼	0	4	1	5¾	35	1452	10	0	72	12	6	18	3	1½
2	21	1	8	6	1	12	0	14	10	0	3	1	1¼	36	1494	0	0	74	14	0	18	13	6
2	20	1	8	1½	1	11	0	14	5½	0	2	0	8¾	37	1535	10	0	76	15	6	19	3	10½
2	19	1	7	9	1	10	0	14	1	0	1	0	4¼	38	1577	0	0	78	17	0	19	14	3

£42 per ton, £2 2s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£42 per ton.			£2 2s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, aver. 10s. 6d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	1	7½	2	18	1	7	9	1	9	13	10½	2	84	0	0	4	4	0	1	1	0
3	26	2	1	3	2	17	1	7	4½	1	8	13	6	3	126	0	0	6	6	0	1	11	6
3	25	2	0	10½	2	16	1	7	0	1	7	13	1½	4	168	0	0	8	8	0	2	2	0
3	24	2	0	6	2	15	1	6	7½	1	6	12	9	5	210	0	0	10	10	0	2	12	6
3	23	2	0	1½	2	14	1	6	3	1	5	12	4½	6	252	0	0	12	12	0	3	3	0
3	22	1	19	9	2	13	1	5	10½	1	4	12	0	7	294	0	0	14	14	0	3	13	6
3	21	1	19	4½	2	12	1	5	6	1	3	11	7½	8	336	0	0	16	16	0	4	4	0
3	20	1	19	0	2	11	1	5	1½	1	2	11	3	9	378	0	0	18	18	0	4	14	6
3	19	1	18	7½	2	10	1	4	9	1	1	10	10½	10	420	0	0	21	0	0	5	5	0
3	18	1	18	3	2	9	1	4	4½	1	0	10	6	11	462	0	0	23	2	0	5	15	6
3	17	1	17	10½	2	8	1	4	0	0	27	10	1½	12	504	0	0	25	4	0	6	6	0
3	16	1	17	6	2	7	1	3	7½	0	26	9	9	13	546	0	0	27	6	0	6	16	6
3	15	1	17	1½	2	6	1	3	3	0	25	9	4½	14	588	0	0	29	8	0	7	7	0
3	14	1	16	9	2	5	1	2	10½	0	24	9	0	15	630	0	0	31	10	0	7	17	6
3	13	1	16	4½	2	4	1	2	6	0	23	8	7½	16	672	0	0	33	12	0	8	8	0
3	12	1	16	0	2	3	1	2	1½	0	22	8	3	17	714	0	0	35	14	0	8	18	6
3	11	1	15	7½	2	2	1	1	9	0	21	7	10½	18	756	0	0	37	16	0	9	9	0
3	10	1	15	3	2	1	1	1	4½	0	20	7	6	19	798	0	0	39	18	0	9	19	6
3	9	1	14	10½	2	0	1	1	0	0	19	7	1½	20	840	0	0	42	0	0	10	10	0
3	8	1	14	6	1	27	1	0	7½	0	18	6	9	21	882	0	0	44	2	0	11	0	6
3	7	1	14	1½	1	26	1	0	3	0	17	6	4½	22	924	0	0	46	4	0	11	11	0
3	6	1	13	9	1	25	0	19	10½	0	16	6	0	23	966	0	0	48	6	0	12	1	6
3	5	1	13	4½	1	24	0	19	6	0	15	5	7½	24	1008	0	0	50	8	0	12	12	0
3	4	1	13	0	1	23	0	19	1½	0	14	5	3	25	1050	0	0	52	10	0	13	2	6
3	3	1	12	7½	1	22	0	18	9	0	13	4	10½	26	1092	0	0	54	12	0	13	13	0
3	2	1	12	3	1	21	0	18	4½	0	12	4	6	27	1134	0	0	56	14	0	14	3	6
3	1	1	11	10½	1	20	0	18	0	0	11	4	1½	28	1176	0	0	58	16	0	14	14	0
3	0	1	11	6	1	19	0	17	7½	0	10	3	9	29	1218	0	0	60	18	0	15	4	6
2	27	1	11	1½	1	18	0	17	3	0	9	3	4½	30	1260	0	0	63	0	0	15	15	0
2	26	1	10	9	1	17	0	16	10½	0	8	3	0	31	1302	0	0	65	2	0	16	5	6
2	25	1	10	4½	1	16	0	16	6	0	7	2	7½	32	1344	0	0	67	4	0	16	16	0
2	24	1	10	0	1	15	0	16	1½	0	6	2	3	33	1386	0	0	69	6	0	17	6	6
2	23	1	9	7½	1	14	0	15	9	0	5	1	10½	34	1428	0	0	71	8	0	17	17	0
2	22	1	9	3	1	13	0	15	4½	0	4	1	6	35	1470	0	0	73	10	0	18	7	6
2	21	1	8	10½	1	12	0	15	0	0	3	1	1½	36	1512	0	0	75	12	0	18	18	0
2	20	1	8	6	1	11	0	14	7½	0	2	0	9	37	1554	0	0	77	14	0	19	8	6
2	19	1	8	1½	1	10	0	14	3	0	1	0	4½	38	1596	0	0	79	16	0	19	19	0

Note—4½*d.* per lb.

£42 10s. per ton, £2 2s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£42 10s. per ton.			£2 2s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day. ¼ yard, av. 10s. 7½d.		
qr.lb	£	s.	d.	qr.lb.	£	s.	d.	qr.lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3 27	2	2	1½	2 18	1	8	1½	1 9	14	0½	2	85	0	0	4	5	0	1	1	3
3 26	2	1	9	2 17	1	7	9	1 8	13	8½	3	127	10	0	6	7	6	1	11	10½
3 25	2	1	4½	2 16	1	7	4½	1 7	13	3½	4	170	0	0	8	10	0	2	2	6
3 24	2	1	0	2 15	1	6	11½	1 6	12	11	5	212	10	0	10	12	6	2	13	1½
3 23	2	0	7½	2 14	1	6	6¾	1 5	12	6½	6	255	0	0	12	15	0	3	3	9
3 22	2	0	3	2 13	1	6	2	1 4	12	2	7	297	10	0	14	17	6	3	14	4½
3 21	1	19	10½	2 12	1	5	9½	1 3	11	9½	8	340	0	0	17	0	0	4	5	0
3 20	1	19	6	2 11	1	5	4⅞	1 2	11	5	9	382	10	0	19	2	6	4	15	7½
3 19	1	19	1½	2 10	1	5	0½	1 1	11	0½	10	425	0	0	21	5	0	5	6	3
3 18	1	18	9	2 9	1	4	7⅞	1 0	10	7½	11	467	10	0	23	7	6	5	16	10½
3 17	1	18	4½	2 8	1	4	3½	0 27	10	3	12	510	0	0	25	10	0	6	7	6
3 16	1	17	11½	2 7	1	3	10⅝	0 26	9	10½	13	552	10	0	27	12	6	6	18	1½
3 15	1	17	7	2 6	1	3	6½	0 25	9	6	14	595	0	0	29	15	0	7	8	9
3 14	1	17	2½	2 5	1	3	1⅜	0 24	9	1½	15	637	10	0	31	17	6	7	19	4½
3 13	1	16	9¾	2 4	1	2	9½	0 23	8	9	16	680	0	0	34	0	0	8	10	0
3 12	1	16	5	2 3	1	2	4⅝	0 22	8	4½	17	722	10	0	36	2	6	9	0	7½
3 11	1	16	0½	2 2	1	2	0¼	0 21	8	0	18	765	0	0	38	5	0	9	11	3
3 10	1	15	8	2 1	1	1	7⅛	0 20	7	7½	19	807	10	0	40	7	6	10	1	10½
3 9	1	15	3½	2 0	1	1	3	0 19	7	3	20	850	0	0	42	10	0	10	12	6
3 8	1	14	11	1 27	1	0	10⅛	0 18	6	10½	21	892	10	0	44	12	6	11	3	1½
3 7	1	14	6½	1 26	1	0	6	0 17	6	5⅝	22	935	0	0	46	15	0	11	13	9
3 6	1	14	2	1 25	1	0	1⅛	0 16	6	1	23	977	10	0	48	17	6	12	4	4½
3 5	1	13	9½	1 24	0	19	9	0 15	5	8½	24	1020	0	0	51	0	0	12	15	0
3 4	1	13	5	1 23	0	19	4⅛	0 14	5	3⅝	25	1062	10	0	53	2	6	13	5	7½
3 3	1	13	0⅞	1 22	0	19	0	0 13	4	11	26	1105	0	0	55	5	0	13	16	3
3 2	1	12	8	1 21	0	18	7⅛	0 12	4	6½	27	1147	10	0	57	7	6	14	6	10½
3 1	1	12	3½	1 20	0	18	3	0 11	4	2	28	1190	0	0	59	10	0	14	17	6
3 0	1	11	10½	1 19	0	17	10⅛	0 10	3	9⅛	29	1232	10	0	61	12	6	15	8	1½
2 27	1	11	6	1 18	0	17	5⅝	0 9	3	5	30	1275	0	0	63	15	0	15	18	9
2 26	1	11	1½	1 17	0	17	1¼	0 8	3	0½	31	1317	10	0	65	17	6	16	9	4½
2 25	1	10	9	1 16	0	16	8⅜	0 7	2	8	32	1360	0	0	68	0	0	17	0	0
2 24	1	10	4½	1 15	0	16	4	0 6	2	3½	33	1402	10	0	70	2	6	17	10	7½
2 23	1	10	0	1 14	0	15	11½	0 5	1	10⅝	34	1445	0	0	72	5	0	18	1	3
2 22	1	9	7½	1 13	0	15	6⅝	0 4	1	6	35	1487	10	0	74	7	6	18	11	10½
2 21	1	9	3	1 12	0	15	2⅛	0 3	1	1½	36	1530	0	0	76	10	0	19	2	6
2 20	1	8	10½	1 11	0	14	9⅝	0 2	0	9	37	1572	10	0	78	12	6	19	13	1½
2 19	1	8	6	1 10	0	14	5⅛	0 1	0	4½	38	1615	0	0	80	15	0	20	3	9

£44 per ton, £2 4s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£44 per ton.			£2 4s. per cwt., bush., day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 11s.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	3	7¼	2	18	1	9	0½	1	9	14	6½	2	88	0	0	4	8	0	1	2	0
3	26	2	3	2¾	2	17	1	8	8	1	8	14	1½	3	132	0	0	6	12	0	1	14	0
3	25	2	2	10	2	16	1	8	3½	1	7	13	8¾	4	176	0	0	8	16	0	2	4	0
3	24	2	2	5½	2	15	1	7	10¾	1	6	13	4	5	220	0	0	11	0	0	2	15	0
3	23	2	2	0½	2	14	1	7	6	1	5	12	11½	6	264	0	0	13	4	0	3	6	0
3	22	2	1	7¾	2	13	1	7	1½	1	4	12	6½	7	308	0	0	15	8	0	3	17	0
3	21	2	1	3	2	12	1	6	8¾	1	3	12	2	8	352	0	0	17	12	0	4	8	0
3	20	2	0	10½	2	11	1	6	4	1	2	11	9½	9	396	0	0	19	16	0	4	19	0
3	19	2	0	5½	2	10	1	5	11½	1	1	11	4¾	10	440	0	0	22	0	0	5	10	0
3	18	2	0	0¾	2	9	1	5	6½	1	0	11	0	11	484	0	0	24	4	0	6	1	0
3	17	1	19	8	2	8	1	5	1¾	0	27	10	7½	12	528	0	0	26	8	0	6	12	0
3	16	1	19	3½	2	7	1	4	9	0	26	10	2½	13	572	0	0	28	12	0	7	3	0
3	15	1	18	10¾	2	6	1	4	4½	0	25	9	10	14	616	0	0	30	16	0	7	14	0
3	14	1	18	6	2	5	1	3	11½	0	24	9	5½	15	660	0	0	33	0	0	8	5	0
3	13	1	18	1½	2	4	1	3	6¾	0	23	9	0½	16	704	0	0	35	4	0	8	16	0
3	12	1	17	8½	2	3	1	3	2	0	22	8	7¾	17	748	0	0	37	8	0	9	7	0
3	11	1	17	3¾	2	2	1	2	9½	0	21	8	3	18	792	0	0	39	12	0	9	18	0
3	10	1	16	11	2	1	1	2	4½	0	20	7	10½	19	836	0	0	41	16	0	10	9	0
3	9	1	16	6½	2	0	1	2	0	0	19	7	5¼	20	880	0	0	44	0	0	11	0	0
3	8	1	16	1½	1	27	1	1	7¼	0	18	7	1	21	924	0	0	46	4	0	11	11	0
3	7	1	15	8¾	1	26	1	1	2¾	0	17	6	8½	22	968	0	0	48	8	0	12	2	0
3	6	1	15	4	1	25	1	0	10	0	16	6	3½	23	1012	0	0	50	12	0	12	13	0
3	5	1	14	11½	1	24	1	0	5½	0	15	5	10¾	24	1056	0	0	52	16	0	13	4	0
3	4	1	14	6¼	1	23	1	0	0¾	0	14	5	6	25	1100	0	0	55	0	0	13	15	0
3	3	1	14	2	1	22	0	19	8	0	13	5	1¼	26	1144	0	0	57	4	0	14	6	0
3	2	1	13	9¼	1	21	0	19	3¼	0	12	4	8¼	27	1188	0	0	59	8	0	14	17	0
3	1	1	13	4¾	1	20	0	18	10¼	0	11	4	4	28	1232	0	0	61	12	0	15	8	0
3	0	1	13	0	1	19	0	18	5¾	0	10	3	11¾	29	1276	0	0	63	16	0	15	19	0
2	27	1	12	7¼	1	18	0	18	1	0	9	3	6¼	30	1320	0	0	66	0	0	16	10	0
2	26	1	12	2¾	1	17	0	17	8¼	0	8	3	2	31	1364	0	0	68	4	0	17	1	0
2	25	1	11	9¾	1	16	0	17	3¼	0	7	2	9¾	32	1408	0	0	70	8	0	17	12	0
2	24	1	11	5	1	15	0	16	10¾	0	6	2	4¾	33	1452	0	0	72	12	0	18	3	0
2	23	1	11	0¼	1	14	0	16	6	0	5	1	11¾	34	1496	0	0	74	16	0	18	14	0
2	22	1	10	7¼	1	13	0	16	1¼	0	4	1	7	35	1540	0	0	77	0	0	19	5	0
2	21	1	10	2¾	1	12	0	15	8¼	0	3	1	2¼	36	1584	0	0	79	4	0	19	16	0
2	20	1	9	10	1	11	0	15	3¾	0	2	0	9¾	37	1628	0	0	81	8	0	20	7	0
2	19	1	9	5¼	1	10	0	14	11	0	1	0	4¾	38	1672	0	0	83	12	0	20	18	0

£44 6s. 8d. per ton, £2 4s. 4d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£44 6s. 8d per ton.			£2 4s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 11s. 1d.		
qr.lb.	£	s.	d.	qr.lb.	£	s.	d.	qr.lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3 27	2	3	11¼	2 18	1	9	3½	1 9	14	7½	2	88	13	4	4	8	8	1	2	2
3 26	2	3	6½	2 17	1	8	10½	1 8	14	3	3	133	0	0	6	13	0	1	13	3
3 25	2	3	1¾	2 16	1	8	6	1 7	13	10¼	4	177	6	8	8	17	4	2	4	4
3 24	2	2	9	2 15	1	8	1¼	1 6	13	5½	5	221	13	4	11	1	8	2	15	5
3 23	2	2	4¼	2 14	1	7	8½	1 5	13	0¾	6	266	0	0	13	6	0	3	6	6
3 22	2	1	11½	2 13	1	7	3¾	1 4	12	8	7	310	6	8	15	10	4	3	17	7
3 21	2	1	6¾	2 12	1	6	11	1 3	12	3¼	8	354	13	4	17	14	8	4	8	8
3 20	2	1	2	2 11	1	6	6¼	1 2	11	10½	9	399	0	0	19	19	0	4	19	9
3 19	2	0	9½	2 10	1	6	1½	1 1	11	5¾	10	443	6	8	22	3	4	5	10	10
3 18	2	0	4¼	2 9	1	5	8¾	1 0	11	1	11	487	13	4	24	7	8	6	1	11
3 17	1	19	11¾	2 8	1	5	4	0 27	10	8½	12	532	0	0	26	12	0	6	13	0
3 16	1	19	7	2 7	1	4	11¼	0 26	10	3½	13	576	6	8	28	16	4	7	4	1
3 15	1	19	2¼	2 6	1	4	6½	0 25	9	10¾	14	620	13	4	31	0	8	7	15	2
3 14	1	18	9½	2 5	1	4	1¾	0 24	9	6	15	665	0	0	33	5	0	8	6	3
3 13	1	18	4¾	2 4	1	3	9	0 23	9	1¼	16	709	6	8	35	9	4	8	17	4
3 12	1	18	0	2 3	1	3	4¼	0 22	8	8½	17	753	13	4	37	13	8	9	8	5
3 11	1	17	7½	2 2	1	2	11½	0 21	8	3¾	18	798	0	0	39	18	0	9	19	6
3 10	1	17	2¼	2 1	1	2	6¾	0 20	7	11	19	842	6	8	42	2	4	10	10	7
3 9	1	16	9¾	2 0	1	2	2	0 19	7	6½	20	886	13	4	44	6	8	11	1	8
3 8	1	16	5	1 27	1	1	9½	0 18	7	1½	21	931	0	0	46	11	0	11	12	9
3 7	1	16	0½	1 26	1	1	4½	0 17	6	8¾	22	975	6	8	48	15	4	12	3	10
3 6	1	15	7½	1 25	1	0	11¾	0 16	6	4	23	1019	13	4	50	19	8	12	14	11
3 5	1	15	2¾	1 24	1	0	7	0 15	5	11¼	24	1064	0	0	53	4	0	13	6	0
3 4	1	14	10	1 23	1	0	2¼	0 14	5	6½	25	1108	6	8	55	8	4	13	17	1
3 3	1	14	5½	1 22	0	19	9½	0 13	5	1¾	26	1152	13	4	57	12	8	14	8	2
3 2	1	14	0¼	1 21	0	19	4¾	0 12	4	9	27	1197	0	0	59	17	0	14	19	3
3 1	1	13	7¾	1 20	0	19	0	0 11	4	4¼	28	1241	6	8	62	1	4	15	10	4
3 0	1	13	3	1 19	0	18	7¼	0 10	3	11½	29	1285	13	4	64	5	8	16	1	5
2 27	1	12	10½	1 18	0	18	2½	0 9	3	6¾	30	1330	0	0	66	10	0	16	12	6
2 26	1	12	5½	1 17	0	17	9¾	0 8	3	2	31	1374	6	8	68	14	4	17	3	7
2 25	1	12	0¾	1 16	0	17	5	0 7	2	9½	32	1418	13	4	70	18	8	17	14	8
2 24	1	11	8	1 15	0	17	0½	0 6	2	4½	33	1463	0	0	73	3	0	18	5	9
2 23	1	11	3½	1 14	0	16	7½	0 5	1	11¾	34	1507	6	8	75	7	4	18	16	10
2 22	1	10	10½	1 13	0	16	2¾	0 4	1	7	35	1551	13	4	77	11	8	19	7	11
2 21	1	10	5¾	1 12	0	15	10	0 3	1	2¼	36	1596	0	0	79	16	0	19	19	0
2 20	1	10	1	1 11	0	15	5½	0 2	0	9¾	37	1640	6	8	82	0	4	20	10	1
2 19	1	9	8¼	1 10	0	15	0¾	0 1	0	4¾	38	1684	13	4	84	4	8	21	1	2

Note—4¾d. per lb.

£44 10s. per ton, £2 4s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£44 10s. per ton.			£2 4s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yd., aver. 1 lb. 1½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	4	1½	2	18	1	9	5	1	9	14	8½	2	89	0	0	4	9	0	1	2	3
3	26	2	3	8½	2	17	1	9	0	1	8	14	3½	3	133	10	0	6	13	6	1	13	4½
3	25	2	3	3½	2	16	1	8	7½	1	7	13	11	4	178	0	0	8	18	0	2	4	6
3	24	2	2	11	2	15	1	8	2½	1	6	13	6½	5	222	10	0	11	2	6	2	15	7½
3	23	2	2	6½	2	14	1	7	9¾	1	5	13	1½	6	267	0	0	13	7	0	3	6	9
3	22	2	2	1½	2	13	1	7	5	1	4	12	8¾	7	311	10	0	15	11	6	3	17	10½
3	21	2	1	8¾	2	12	1	7	0¼	1	3	12	4	8	356	0	0	17	16	0	4	9	0
3	20	2	1	4	2	11	1	6	7½	1	2	11	11¼	9	400	10	0	20	0	6	5	0	1½
3	19	2	0	11½	2	10	1	6	2¾	1	1	11	6½	10	445	0	0	22	5	0	5	11	3
3	18	2	0	6½	2	9	1	5	10	1	0	11	1½	11	489	10	0	24	9	6	6	2	4½
3	17	2	0	1½	2	8	1	5	5½	0	27	10	8¾	12	534	0	0	26	14	0	6	13	6
3	16	1	19	8¾	2	7	1	5	0½	0	26	10	4	13	578	10	0	28	18	6	7	4	7½
3	15	1	19	4	2	6	1	4	7¾	0	25	9	11¼	14	623	0	0	31	3	0	7	15	9
3	14	1	18	11½	2	5	1	4	3	0	24	9	6½	15	667	10	0	33	7	6	8	6	10½
3	13	1	18	6½	2	4	1	3	10½	0	23	9	1¾	16	712	0	0	35	12	0	8	18	0
3	12	1	18	1¾	2	3	1	3	5½	0	22	8	9	17	756	10	0	37	16	6	9	9	1½
3	11	1	17	9	2	2	1	3	0¾	0	21	8	4½	18	801	0	0	40	1	0	10	0	3
3	10	1	17	4¼	2	1	1	2	8	0	20	7	11½	19	845	10	0	42	5	6	10	11	4½
3	9	1	16	11½	2	0	1	2	3	0	19	7	6¾	20	890	0	0	44	10	0	11	2	6
3	8	1	16	6¾	1	27	1	1	10½	0	18	7	2	21	934	10	0	46	14	6	11	13	7½
3	7	1	16	2	1	26	1	1	5¾	0	17	6	9½	22	979	0	0	48	19	0	12	4	9
3	6	1	15	9¼	1	25	1	1	0¾	0	16	6	4½	23	1023	10	0	51	3	6	12	15	10½
3	5	1	15	4¼	1	24	1	0	8	0	15	5	11¾	24	1068	0	0	53	8	0	13	7	0
3	4	1	14	11¾	1	23	1	0	3¼	0	14	5	6¾	25	1112	10	0	55	12	6	13	18	1½
3	3	1	14	7	1	22	0	19	10½	0	13	5	2	26	1157	0	0	57	17	0	14	9	3
3	2	1	14	2¼	1	21	0	19	5¾	0	12	4	9½	27	1201	10	0	60	1	6	15	0	4½
3	1	1	13	9¼	1	20	0	19	1	0	11	4	4¾	28	1246	0	0	62	6	0	15	11	6
3	0	1	13	4¼	1	19	0	18	8¼	0	10	3	11¾	29	1290	10	0	64	10	6	16	2	7½
2	27	1	12	11¾	1	18	0	18	3¾	0	9	3	7	30	1335	0	0	66	15	0	16	13	9
2	26	1	12	7	1	17	0	17	10¾	0	8	3	2¼	31	1379	10	0	68	19	6	17	4	10½
2	25	1	12	2¼	1	16	0	17	6	0	7	2	9¼	32	1424	0	0	71	4	0	17	16	0
2	24	1	11	9¼	1	15	0	17	1¼	0	6	2	4¾	33	1468	10	0	73	8	6	18	7	1½
2	23	1	11	4¾	1	14	0	16	8¼	0	5	2	0	34	1513	0	0	75	13	0	18	18	3
2	22	1	11	0	1	13	0	16	3¼	0	4	1	7	35	1557	10	0	77	17	6	19	9	4½
2	21	1	10	7¼	1	12	0	15	10¾	0	3	1	2¼	36	1602	0	0	80	2	0	20	0	6
2	20	1	10	2¼	1	11	0	15	6	0	2	0	9¼	37	1646	10	0	82	6	6	20	11	7½
2	19	1	9	9¾	1	10	0	15	1¼	0	1	0	4¾	38	1691	0	0	84	11	0	21	2	9

£44 6s. 8d. per ton, £2 4s. 4d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£44 6s. 8d per ton.			£2 4s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 11s. 1d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	3	11¼	2	18	1	9	3¾	1	9	14	7¾	2	88	13	4	4	8	8	1	2	2
3	26	2	3	6½	2	17	1	8	10¾	1	8	14	3	3	133	0	0	6	13	0	1	13	3
3	25	2	3	1¾	2	16	1	8	6	1	7	13	10½	4	177	6	8	8	17	4	2	4	4
3	24	2	2	9	2	15	1	8	1¼	1	6	13	5¼	5	221	13	4	11	1	8	2	15	5
3	23	2	2	4¼	2	14	1	7	8¼	1	5	13	0¾	6	266	0	0	13	6	0	3	6	6
3	22	2	1	11¼	2	13	1	7	3¾	1	4	12	8	7	310	6	8	15	10	4	3	17	7
3	21	2	1	6¾	2	12	1	6	11	1	3	12	3¼	8	354	13	4	17	14	8	4	8	8
3	20	2	1	2	2	11	1	6	6¼	1	2	11	10½	9	399	0	0	19	19	0	4	19	9
3	19	2	0	9¼	2	10	1	6	1¼	1	1	11	5¾	10	443	6	8	22	3	4	5	10	10
3	18	2	0	4¼	2	9	1	5	8¾	1	0	11	1	11	487	13	4	24	7	8	6	1	11
3	17	1	19	11¾	2	8	1	5	4	0	27	10	8¼	12	532	0	0	26	12	0	6	13	0
3	16	1	19	7	2	7	1	4	11¼	0	26	10	3¾	13	576	6	8	28	16	4	7	4	1
3	15	1	19	2¼	2	6	1	4	6¼	0	25	9	10¾	14	620	13	4	31	0	8	7	15	2
3	14	1	18	9½	2	5	1	4	1¾	0	24	9	6	15	665	0	0	33	5	0	8	6	3
3	13	1	18	4¾	2	4	1	3	9	0	23	9	1¼	16	709	6	8	35	9	4	8	17	4
3	12	1	18	0	2	3	1	3	4¼	0	22	8	8¼	17	753	13	4	37	13	8	9	8	5
3	11	1	17	7¼	2	2	1	2	11¼	0	21	8	3¾	18	798	0	0	39	18	0	9	19	6
3	10	1	17	2¼	2	1	1	2	6¾	0	20	7	11	19	842	6	8	42	2	4	10	10	7
3	9	1	16	9¾	2	0	1	2	2	0	19	7	6¼	20	886	13	4	44	6	8	11	1	8
3	8	1	16	5	1	27	1	1	9¼	0	18	7	1¼	21	931	0	0	46	11	0	11	12	9
3	7	1	16	0¼	1	26	1	1	4¼	0	17	6	8¾	22	975	6	8	48	15	4	12	3	10
3	6	1	15	7¼	1	25	1	0	11¾	0	16	6	4	23	1019	13	4	50	19	8	12	14	11
3	5	1	15	2¾	1	24	1	0	7	0	15	5	11¼	24	1064	0	0	53	4	0	13	6	0
3	4	1	14	10	1	23	1	0	2¼	0	14	5	6¼	25	1108	6	8	55	8	4	13	17	1
3	3	1	14	5¼	1	22	0	19	9¼	0	13	5	1¾	26	1152	13	4	57	12	8	14	8	2
3	2	1	14	0¼	1	21	0	19	4¾	0	12	4	9	27	1197	0	0	59	17	0	14	19	3
3	1	1	13	7¾	1	20	0	19	0	0	11	4	4¼	28	1241	6	8	62	1	4	15	10	4
3	0	1	13	3	1	19	0	18	7¼	0	10	3	11¼	29	1285	13	4	64	5	8	16	1	5
2	27	1	12	10¼	1	18	0	18	2½	0	9	3	6¾	30	1330	0	0	66	10	0	16	12	6
2	26	1	12	5¼	1	17	0	17	9¾	0	8	3	2	31	1374	6	8	68	14	4	17	3	7
2	25	1	12	0¾	1	16	0	17	5	0	7	2	9¼	32	1418	13	4	70	18	8	17	14	8
2	24	1	11	8	1	15	0	17	0¼	0	6	2	4¼	33	1463	0	0	73	3	0	18	5	9
2	23	1	11	3¼	1	14	0	16	7¼	0	5	1	11¾	34	1507	6	8	75	7	4	18	16	10
2	22	1	10	10¼	1	13	0	16	2¾	0	4	1	7	35	1551	13	4	77	11	8	19	7	11
2	21	1	10	5¾	1	12	0	15	10	0	3	1	2¼	36	1596	0	0	79	16	0	19	19	0
2	20	1	10	1	1	11	0	15	5½	0	2	0	9¼	37	1640	6	8	82	0	4	20	10	1
2	19	1	9	8¼	1	10	0	15	0¾	0	1	0	4¾	38	1684	13	4	84	4	8	21	1	2

Note—4¾*d.* per lb.

£45 1C*s.* per ton, £2 5*s.* 6*d.* per cwt. — Rate per qr. cwt., stone, and lb.											No.	£45 10*s.* per ton.			£2 5*s.* 6*d.* per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 11*s.* 4½*d.*		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	5	1¼	2	18	1	10	0¾	1	9	15	0½	2	91	0	0	4	11	0	1	2	9
3	26	2	4	8⅖	2	17	1	9	8	1	8	14	7½	3	136	10	0	6	16	6	1	14	1⅘
3	25	2	4	3⅕	2	16	1	9	3	1	7	14	2¼	4	182	0	0	9	2	0	2	5	6
3	24	2	3	10¾	2	15	1	8	10½	1	6	13	10	5	227	10	0	11	7	6	2	16	10⅕
3	23	2	3	6	2	14	1	8	5½	1	5	13	5	6	273	0	0	13	13	0	3	8	3
3	22	2	3	1	2	13	1	8	0⅕	1	4	13	0	7	318	10	0	15	18	6	3	19	7⅖
3	21	2	2	8	2	12	1	7	7½	1	3	12	7¼	8	364	0	0	18	4	0	4	11	0
3	20	2	2	3¼	2	11	1	7	2¾	1	2	12	2⅘	9	409	10	0	20	9	6	5	2	4⅕
3	19	2	1	10½	2	10	1	6	10	1	1	11	9⅕	10	455	0	0	22	15	0	5	13	9
3	18	2	1	5¾	2	9	1	6	5	1	0	11	4⅘	11	500	10	0	25	0	6	6	5	1⅗
3	17	2	1	0¼	2	8	1	6	0	0	27	10	11¼	12	546	0	0	27	6	0	6	16	6
3	16	2	0	7⅝	2	7	1	5	7¼	0	26	10	7	13	591	10	0	29	11	6	7	7	10⅘
3	15	2	0	2½	2	6	1	5	2⅕	0	25	10	2	14	637	0	0	31	17	0	7	19	3
3	14	1	19	9⅞	2	5	1	4	9⅕	0	24	9	9¼	15	682	10	0	34	2	6	8	10	7⅗
3	13	1	19	5	2	4	1	4	4⅖	0	23	9	4¾	16	728	0	0	36	8	0	9	2	0
3	12	1	19	0	2	3	1	4	0	0	22	8	11½	17	773	10	0	38	13	6	9	13	4⅘
3	11	1	18	7⅛	2	2	1	3	7	0	21	8	6¾	18	819	0	0	40	19	0	10	4	9
3	10	1	18	2⅘	2	1	1	3	2	0	20	8	1¾	19	864	10	0	43	4	6	10	16	1⅘
3	9	1	17	9¼	2	0	1	2	9	0	19	7	9	20	910	0	0	45	10	0	11	7	6
3	8	1	17	4⅓	1	27	1	2	4¼	0	18	7	4	21	955	10	0	47	15	6	11	18	10⅕
3	7	1	16	11¾	1	26	1	1	11⅗	0	17	6	11½	22	1001	0	0	50	1	0	12	10	3
3	6	1	16	7	1	25	1	1	6⅘	0	16	6	6¼	23	1046	10	0	52	6	6	13	1	7⅘
3	5	1	16	2	1	24	1	1	1⅘	0	15	6	1	24	1092	0	0	54	12	0	13	13	0
3	4	1	15	9	1	23	1	0	9	0	14	5	8¼	25	1137	10	0	56	17	6	14	4	4⅕
3	3	1	15	4	1	22	1	0	4	0	13	5	3⅕	26	1183	0	0	59	3	0	14	15	9
3	2	1	14	11⅕	1	21	0	19	11⅕	0	12	4	10½	27	1228	10	0	61	8	6	15	7	1⅘
3	1	1	14	6⅖	1	20	0	19	6⅘	0	11	4	5¾	28	1274	0	0	63	14	0	15	18	6
3	0	1	14	1⅘	1	19	0	19	1⅗	0	10	4	1	29	1319	10	0	65	19	6	16	9	10⅕
2	27	1	13	8¾	1	18	0	18	8⅕	0	9	3	8	30	1365	0	0	68	5	0	17	1	3
2	26	1	13	4	1	17	0	18	3⅘	0	8	3	3	31	1410	10	0	70	10	6	17	12	7⅕
2	25	1	12	11	1	16	0	17	10½	0	7	2	10¼	32	1456	0	0	72	16	0	18	4	0
2	24	1	12	6½	1	15	0	17	5⅘	0	6	2	5¼	33	1501	10	0	75	1	6	18	15	4⅕
2	23	1	12	1⅓	1	14	0	17	0¾	0	5	2	0¼	34	1547	0	0	77	7	0	19	6	9
2	22	1	11	8⅕	1	13	0	16	8	0	4	1	7⅕	35	1592	10	0	79	12	6	19	18	1⅘
2	21	1	11	3½	1	12	0	16	3	0	3	1	2⅖	36	1638	0	0	81	18	0	20	9	6
2	20	1	10	10⅕	1	11	0	15	10⅕	0	2	0	9⅗	37	1683	10	0	84	3	6	21	12	10⅕
2	19	1	10	5¾	1	10	0	15	5⅓	0	1	0	4¾	38	1729	0	0	86	9	0	21	18	3

£46 per ton, £2 6s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£46 per ton.			£2 6s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day ¼ yard, aver. 11s. 6d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	5	7¼	2	18	1	10	5	1	9	15	3	2	92	0	0	4	12	0	1	3	0
3	26	2	5	2½	2	17	1	10	0	1	8	14	10	3	138	0	0	6	18	0	1	14	6
3	25	2	4	9⅔	2	16	1	9	7	1	7	14	5	4	184	0	0	9	4	0	2	6	0
3	24	2	4	4¾	2	15	1	9	2	1	6	14	0	5	230	0	0	11	10	0	2	17	6
3	23	2	3	11¼	2	14	1	8	9	1	5	13	7	6	276	0	0	13	16	0	3	9	0
3	22	2	3	6½	2	13	1	8	4	1	4	13	2	7	322	0	0	16	2	0	4	0	6
3	21	2	3	2	2	12	1	7	11⅓	1	3	12	9	8	368	0	0	18	8	0	4	12	0
3	20	2	2	9	2	11	1	7	6⅔	1	2	12	4	9	414	0	0	20	14	0	5	3	6
3	19	2	2	4¼	2	10	1	7	1⅔	1	1	11	11	10	460	0	0	23	0	0	5	15	0
3	18	2	1	11¼	2	9	1	6	8¾	1	0	11	6	11	506	0	0	25	6	0	6	6	6
3	17	2	1	6¼	2	8	1	6	4	0	27	11	1¼	12	552	0	0	27	12	0	6	18	0
3	16	2	1	1½	2	7	1	5	11	0	26	10	8¼	13	598	0	0	29	18	0	7	9	6
3	15	2	0	8	2	6	1	5	6	0	25	10	3¼	14	644	0	0	32	4	0	8	1	0
3	14	2	0	3	2	5	1	5	1	0	24	9	10½	15	690	0	0	34	10	0	8	12	6
3	13	1	19	10¼	2	4	1	4	8	0	23	9	5⅓	16	736	0	0	36	16	0	9	4	0
3	12	1	19	5⅔	2	3	1	4	3	0	22	9	0¼	17	782	0	0	39	2	0	9	15	6
3	11	1	19	0¾	2	2	1	3	10	0	21	8	7¼	18	828	0	0	41	8	0	10	7	0
3	10	1	18	7⅓	2	1	1	3	5	0	20	8	3	19	874	0	0	43	14	0	10	18	6
3	9	1	18	2¼	2	0	1	3	0	0	19	7	10	20	920	0	0	46	0	0	11	10	0
3	8	1	17	9¾	1	27	1	2	7¼	0	18	7	5	21	966	0	0	48	6	0	12	1	6
3	7	1	17	5	1	26	1	2	2½	0	17	7	0	22	1012	0	0	50	12	0	12	13	0
3	6	1	17	0	1	25	1	1	9⅔	0	16	6	7	23	1058	0	0	52	18	0	13	4	6
3	5	1	16	7	1	24	1	1	4¾	0	15	6	2	24	1104	0	0	55	4	0	13	16	0
3	4	1	16	2	1	23	1	0	11½	0	14	5	9	25	1150	0	0	57	10	0	14	7	6
3	3	1	15	9	1	22	1	0	6¾	0	13	5	4¼	26	1196	0	0	59	16	0	14	19	0
3	2	1	15	4	1	21	1	0	2	0	12	4	11¼	27	1242	0	0	62	2	0	15	10	6
3	1	1	14	11	1	20	0	19	9	0	11	4	6¼	28	1288	0	0	64	8	0	16	2	0
3	0	1	14	6	1	19	0	19	4	0	10	4	1⅔	29	1334	0	0	66	14	0	16	13	6
2	27	1	14	1¼	1	18	0	18	11	0	9	3	8¾	30	1380	0	0	69	0	0	17	5	0
2	26	1	13	8¼	1	17	0	18	6	0	8	3	3⅓	31	1426	0	0	71	6	0	17	16	6
2	25	1	13	3½	1	16	0	18	1	0	7	2	10¼	32	1472	0	0	73	12	0	18	8	0
2	24	1	12	10¾	1	15	0	17	8	0	6	2	5⅔	33	1518	0	0	75	18	0	18	19	6
2	23	1	12	5¾	1	14	0	17	3	0	5	2	0¾	34	1564	0	0	78	4	0	19	11	0
2	22	1	12	0¾	1	13	0	16	10	0	4	1	7⅓	35	1610	0	0	80	10	0	20	2	6
2	21	1	11	8	1	12	0	16	5	0	3	1	2¼	36	1656	0	0	82	16	0	20	14	0
2	20	1	11	3	1	11	0	16	0	0	2	0	9½	37	1702	0	0	85	2	0	21	5	6
2	19	1	10	10	1	10	0	15	7¾	0	1	0	4⅔	38	1748	0	0	87	8	0	21	17	0

£43 per ton, £2 3s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£43 per ton.			£2 3s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 10s. 9d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	2	7½	2	18	1	8	5½	1	9	14	3	2	86	0	0	4	6	0	1	1	6
3	26	2	2	3	2	17	1	8	0½	1	8	13	10½	3	129	0	0	6	9	0	1	12	3
3	25	2	1	10½	2	16	1	7	8	1	7	13	5½	4	172	0	0	8	12	0	2	3	0
3	24	2	1	6	2	15	1	7	3½	1	6	13	1	5	215	0	0	10	15	0	2	13	9
3	23	2	1	1½	2	14	1	6	10½	1	5	12	8½	6	258	0	0	12	18	0	3	4	6
3	22	2	0	8½	2	13	1	6	6	1	4	12	3½	7	301	0	0	15	1	0	3	15	3
3	21	2	0	4	2	12	1	6	1½	1	3	11	11	8	344	0	0	17	4	0	4	6	0
3	20	1	19	11½	2	11	1	5	9	1	2	11	6½	9	387	0	0	19	7	0	4	16	9
3	19	1	19	7	2	10	1	5	4½	1	1	11	1½	10	430	0	0	21	10	0	5	7	6
3	18	1	19	2½	2	9	1	5	0	1	0	10	9	11	473	0	0	23	13	0	5	18	3
3	17	1	18	9½	2	8	1	4	7½	0	27	10	4½	12	516	0	0	25	16	0	6	9	0
3	16	1	18	5	2	7	1	4	2½	0	26	10	0	13	559	0	0	27	19	0	6	19	9
3	15	1	18	0½	2	6	1	3	10	0	25	9	7½	14	602	0	0	30	2	0	7	10	6
3	14	1	17	7½	2	5	1	3	5½	0	24	9	2½	15	645	0	0	32	5	0	8	1	3
3	13	1	17	3	2	4	1	3	0½	0	23	8	10	16	688	0	0	34	8	0	8	12	0
3	12	1	16	10½	2	3	1	2	8	0	22	8	5½	17	731	0	0	36	11	0	9	2	9
3	11	1	16	6	2	2	1	2	3½	0	21	8	0½	18	774	0	0	38	14	0	9	13	6
3	10	1	16	1½	2	1	1	1	10¾	0	20	7	8	19	817	0	0	40	17	0	10	4	3
3	9	1	15	8½	2	0	1	1	6	0	19	7	3½	20	860	0	0	43	0	0	10	15	0
3	8	1	15	4	1	27	1	1	1½	0	18	6	11	21	903	0	0	45	3	0	11	5	9
3	7	1	14	11½	1	26	1	0	9	0	17	6	6½	22	946	0	0	47	6	0	11	16	6
3	6	1	14	7	1	25	1	0	4½	0	16	6	2	23	989	0	0	49	9	0	12	7	3
3	5	1	14	2½	1	24	1	0	0	0	15	5	9½	24	1032	0	0	51	12	0	12	18	0
3	4	1	13	9½	1	23	0	19	7½	0	14	5	4½	25	1075	0	0	53	15	0	13	8	9
3	3	1	13	5	1	22	0	19	2½	0	13	5	0	26	1118	0	0	55	18	0	13	19	6
3	2	1	13	0½	1	21	0	18	10	0	12	4	7½	27	1161	0	0	58	1	0	14	10	3
3	1	1	12	7⅝	1	20	0	18	5½	0	11	4	3	28	1204	0	0	60	4	0	15	1	0
3	0	1	12	3	1	19	0	18	0⅝	0	10	3	10½	29	1247	0	0	62	7	0	15	11	9
2	27	1	11	10½	1	18	0	17	8	0	9	3	5½	30	1290	0	0	64	10	0	16	2	6
2	26	1	11	6	1	17	0	17	3½	0	8	3	1	31	1333	0	0	66	13	0	16	13	3
2	25	1	11	1½	1	16	0	16	11	0	7	2	8½	32	1376	0	0	68	16	0	17	4	0
2	24	1	10	9	1	15	0	16	6½	0	6	2	4	33	1419	0	0	70	19	0	17	14	9
2	23	1	10	4½	1	14	0	16	1½	0	5	1	11½	34	1462	0	0	73	2	0	18	5	6
2	22	1	10	0	1	13	0	15	9	0	4	1	6⅛	35	1505	0	0	75	5	0	18	16	3
2	21	1	9	7½	1	12	0	15	4½	0	3	1	1½	36	1548	0	0	77	8	0	19	7	0
2	20	1	9	2½	1	11	0	15	0	0	2	0	9	37	1591	0	0	79	11	0	19	17	9
2	19	1	8	10	1	10	0	14	7½	0	1	0	4½	38	1634	0	0	81	14	0	20	8	6

£43 10s. per ton, £2 3s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£43 10s. per ton.			£2 3s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 10s. 10½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	3	1½	2	18	1	8	9	1	9	14	4½	2	87	0	0	4	7	0	1	1	9
3	26	2	2	8½	2	17	1	8	4½	1	8	14	0	3	130	10	0	6	10	6	1	12	7½
3	25	2	2	4	2	16	1	7	11½	1	7	13	7½	4	174	0	0	8	14	0	2	3	6
3	24	2	1	11½	2	15	1	7	7	1	6	13	2½	5	217	10	0	10	17	6	2	14	4½
3	23	2	1	6½	2	14	1	7	2½	1	5	12	10	6	261	0	0	13	1	0	3	5	3
3	22	2	1	2	2	13	1	6	9½	1	4	12	5½	7	304	10	0	15	4	6	3	16	1½
3	21	2	0	9½	2	12	1	6	5	1	3	12	0½	8	348	0	0	17	8	0	4	7	0
3	20	2	0	5	2	11	1	6	0½	1	2	11	7½	9	391	10	0	19	11	6	4	17	10½
3	19	2	0	0½	2	10	1	5	7½	1	1	11	3	10	435	0	0	21	15	0	5	8	9
3	18	1	19	7½	2	9	1	5	3	1	0	10	10½	11	478	10	0	23	18	6	5	19	7½
3	17	1	19	2½	2	8	1	4	10½	0	27	10	6	12	522	0	0	26	2	0	6	10	6
3	16	1	18	10	2	7	1	4	6	0	26	10	1½	13	565	10	0	28	5	6	7	1	4½
3	15	1	18	5½	2	6	1	4	1½	0	25	9	8½	14	609	0	0	30	9	0	7	12	3
3	14	1	18	0½	2	5	1	3	8½	0	24	9	4	15	652	10	0	32	12	6	8	3	1½
3	13	1	17	8	2	4	1	3	3½	0	23	8	11½	16	696	0	0	34	16	0	8	14	0
3	12	1	17	3½	2	3	1	2	11	0	22	8	5½	17	739	10	0	36	19	6	9	4	10½
3	11	1	16	11	2	2	1	2	6½	0	21	8	1	18	783	0	0	39	3	0	9	15	9
3	10	1	16	6½	2	1	1	2	1½	0	20	7	8½	19	826	10	0	41	6	6	10	6	7½
3	9	1	16	2	2	0	1	1	9	0	19	7	4	20	870	0	0	43	10	0	10	17	6
3	8	1	15	9½	1	27	1	1	4½	0	18	6	11½	21	913	10	0	45	13	6	11	8	4½
3	7	1	15	4½	1	26	1	1	0	0	17	6	7	22	957	0	0	47	17	0	11	19	3
3	6	1	15	0	1	25	1	0	7½	0	16	6	2½	23	1000	10	0	50	0	6	12	10	1½
3	5	1	14	7½	1	24	1	0	2½	0	15	5	10	24	1044	0	0	52	4	0	13	1	0
3	4	1	14	2½	1	23	0	19	10	0	14	5	5½	25	1087	10	0	54	7	6	13	11	10½
3	3	1	13	9½	1	22	0	19	5½	0	13	5	0½	26	1131	0	0	56	11	0	14	2	9
3	2	1	13	5	1	21	0	19	0½	0	12	4	8	27	1174	10	0	58	14	6	14	13	7½
3	1	1	13	0½	1	20	0	18	8	0	11	4	3½	28	1218	0	0	60	18	0	15	4	6
3	0	1	12	7½	1	19	0	18	3½	0	10	3	11	29	1261	10	0	63	1	6	15	15	4½
2	27	1	12	3	1	18	0	17	10½	0	9	3	6½	30	1305	0	0	65	5	0	16	6	3
2	26	1	11	10½	1	17	0	17	6	0	8	3	1½	31	1348	10	0	67	8	6	16	17	1½
2	25	1	11	6	1	16	0	17	1½	0	7	2	8½	32	1392	0	0	69	12	0	17	8	0
2	24	1	11	1½	1	15	0	16	8½	0	6	2	4½	33	1435	10	0	71	15	6	17	18	10½
2	23	1	10	8½	1	14	0	16	3½	0	5	1	11½	34	1479	0	0	73	19	0	18	9	9
2	22	1	10	3½	1	13	0	15	11	0	4	1	6½	35	1522	10	0	76	2	6	19	0	7½
2	21	1	9	11	1	12	0	15	6½	0	3	1	2	36	1566	0	0	78	6	0	19	11	6
2	20	1	9	6½	1	11	0	15	1½	0	2	0	9½	37	1609	10	0	80	9	6	20	2	4½
2	19	1	9	1½	1	10	0	14	9	0	1	0	4½	38	1653	0	0	82	13	0	20	13	3

£44 per ton, £2 4s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£44 per ton.			£2 4s. per cwt., bush., day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., average 11s.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	3	7¼	2	18	1	9	0½	1	9	14	6½	2	88	0	0	4	8	0	1	2	0
3	26	2	3	2¾	2	17	1	8	8	1	8	14	1½	3	132	0	0	6	12	0	1	14	0
3	25	2	2	10	2	16	1	8	3½	1	7	13	8¾	4	176	0	0	8	16	0	2	4	0
3	24	2	2	5½	2	15	1	7	10¾	1	6	13	4	5	220	0	0	11	0	0	2	15	0
3	23	2	2	0½	2	14	1	7	6	1	5	12	11¼	6	264	0	0	13	4	0	3	6	0
3	22	2	1	7¾	2	13	1	7	1½	1	4	12	6½	7	308	0	0	15	8	0	3	17	0
3	21	2	1	3	2	12	1	6	8¾	1	3	12	2	8	352	0	0	17	12	0	4	8	0
3	20	2	0	10½	2	11	1	6	4	1	2	11	9½	9	396	0	0	19	16	0	4	19	0
3	19	2	0	5½	2	10	1	5	11¼	1	1	11	4¾	10	440	0	0	22	0	0	5	10	0
3	18	2	0	0¾	2	9	1	5	6¼	1	0	11	0	11	484	0	0	24	4	0	6	1	0
3	17	1	19	8	2	8	1	5	1¾	0	27	10	7½	12	528	0	0	26	8	0	6	12	0
3	16	1	19	3½	2	7	1	4	9	0	26	10	2½	13	572	0	0	28	12	0	7	3	0
3	15	1	18	10¾	2	6	1	4	4¼	0	25	9	10	14	616	0	0	30	16	0	7	14	0
3	14	1	18	6	2	5	1	3	11¼	0	24	9	5½	15	660	0	0	33	0	0	8	5	0
3	13	1	18	1¼	2	4	1	3	6¾	0	23	9	0½	16	704	0	0	35	4	0	8	16	0
3	12	1	17	8¼	2	3	1	3	2	0	22	8	7¾	17	748	0	0	37	8	0	9	7	0
3	11	1	17	3¾	2	2	1	2	9½	0	21	8	3	18	792	0	0	39	12	0	9	18	0
3	10	1	16	11	2	1	1	2	4½	0	20	7	10½	19	836	0	0	41	16	0	10	9	0
3	9	1	16	6½	2	0	1	2	0	0	19	7	5½	20	880	0	0	44	0	0	11	0	0
3	8	1	16	1¼	1	27	1	1	7½	0	18	7	1	21	924	0	0	46	4	0	11	11	0
3	7	1	15	8¾	1	26	1	1	2½	0	17	6	8½	22	968	0	0	48	8	0	12	2	0
3	6	1	15	4	1	25	1	0	10	0	16	6	3½	23	1012	0	0	50	12	0	12	13	0
3	5	1	14	11½	1	24	1	0	5½	0	15	5	10¾	24	1056	0	0	52	16	0	13	4	0
3	4	1	14	6½	1	23	1	0	0¾	0	14	5	6	25	1100	0	0	55	0	0	13	15	0
3	3	1	14	2	1	22	0	19	8	0	13	5	1¼	26	1144	0	0	57	4	0	14	6	0
3	2	1	13	9½	1	21	0	19	3½	0	12	4	8½	27	1188	0	0	59	8	0	14	17	0
3	1	1	13	4¾	1	20	0	18	10¼	0	11	4	4	28	1232	0	0	61	12	0	15	8	0
3	0	1	13	0	1	19	0	18	5¾	0	10	3	11¼	29	1276	0	0	63	16	0	15	19	0
2	27	1	12	7¼	1	18	0	18	1	0	9	3	6½	30	1320	0	0	66	0	0	16	10	0
2	26	1	12	2½	1	17	0	17	8¼	0	8	3	2	31	1364	0	0	68	4	0	17	1	0
2	25	1	11	9¾	1	16	0	17	3¼	0	7	2	9½	32	1408	0	0	70	8	0	17	12	0
2	24	1	11	5	1	15	0	16	10¾	0	6	2	4½	33	1452	0	0	72	12	0	18	3	0
2	23	1	11	0½	1	14	0	16	6	0	5	1	11¾	34	1496	0	0	74	16	0	18	14	0
2	22	1	10	7½	1	13	0	16	1½	0	4	1	7	35	1540	0	0	77	0	0	19	5	0
2	21	1	10	2¾	1	12	0	15	8¼	0	3	1	2½	36	1584	0	0	79	4	0	19	16	0
2	20	1	9	10	1	11	0	15	3¾	0	2	0	9½	37	1628	0	0	81	8	0	20	7	0
2	19	1	9	5½	1	10	0	14	11	0	1	0	4½	38	1672	0	0	83	12	0	20	18	0

£44 6s. 8d. per ton, £2 4s. 4d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£44 6s. 8d per ton.			£2 4s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 11s. 1d.		
qr. lb.	£	s.	d.	qr. lb.	£	s.	d.	qr. lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3 27	2	3	11¼	2 18	1	9	3½	1 9	14	7¾	2	88	13	4	4	8	8	1	2	2
3 26	2	3	6½	2 17	1	8	10¾	1 8	14	3	3	133	0	0	6	13	0	1	13	3
3 25	2	3	1¾	2 16	1	8	6	1 7	13	10¼	4	177	6	8	8	17	4	2	4	4
3 24	2	2	9	2 15	1	8	1¼	1 6	13	5½	5	221	13	4	11	1	8	2	15	5
3 23	2	2	4¼	2 14	1	7	8½	1 5	13	0¾	6	266	0	0	13	6	0	3	6	6
3 22	2	1	11½	2 13	1	7	3¾	1 4	12	8	7	310	6	8	15	10	4	3	17	7
3 21	2	1	6¾	2 12	1	6	11	1 3	12	3¼	8	354	13	4	17	14	8	4	8	8
3 20	2	1	2	2 11	1	6	6¼	1 2	11	10½	9	399	0	0	19	19	0	4	19	9
3 19	2	0	9¼	2 10	1	6	1½	1 1	11	5¾	10	443	6	8	22	3	4	5	10	10
3 18	2	0	4½	2 9	1	5	8¾	1 0	11	1	11	487	13	4	24	7	8	6	1	11
3 17	1	19	11¾	2 8	1	5	4	0 27	10	8¼	12	532	0	0	26	12	0	6	13	0
3 16	1	19	7	2 7	1	4	11¼	0 26	10	3½	13	576	6	8	28	16	4	7	4	1
3 15	1	19	2¼	2 6	1	4	6¼	0 25	9	10¾	14	620	13	4	31	0	8	7	15	2
3 14	1	18	9½	2 5	1	4	1¾	0 24	9	6	15	665	0	0	33	5	0	8	6	3
3 13	1	18	4¾	2 4	1	3	9	0 23	9	1¼	16	709	6	8	35	9	4	8	17	4
3 12	1	18	0	2 3	1	3	4¼	0 22	8	8½	17	753	13	4	37	13	8	9	8	5
3 11	1	17	7¼	2 2	1	2	11¼	0 21	8	3¾	18	798	0	0	39	18	0	9	19	6
3 10	1	17	2½	2 1	1	2	6¾	0 20	7	11	19	842	6	8	42	2	4	10	10	7
3 9	1	16	9¾	2 0	1	2	2	0 19	7	6¼	20	886	13	4	44	6	8	11	1	8
3 8	1	16	5	1 27	1	1	9½	0 18	7	1½	21	931	0	0	46	11	0	11	12	9
3 7	1	16	0¼	1 26	1	1	4¼	0 17	6	8¾	22	975	6	8	48	15	4	12	3	10
3 6	1	15	7½	1 25	1	0	11¾	0 16	6	4	23	1019	13	4	50	19	8	12	14	11
3 5	1	15	2¾	1 24	1	0	7	0 15	5	11¼	24	1064	0	0	53	4	0	13	6	0
3 4	1	14	10	1 23	1	0	2¼	0 14	5	6½	25	1108	6	8	55	8	4	13	17	1
3 3	1	14	5½	1 22	0	19	9¾	0 13	5	1¾	26	1152	13	4	57	12	8	14	8	2
3 2	1	14	0¼	1 21	0	19	4¾	0 12	4	9	27	1197	0	0	59	17	0	14	19	3
3 1	1	13	7¾	1 20	0	19	0	0 11	4	4¼	28	1241	6	8	62	1	4	15	10	4
3 0	1	13	3	1 19	0	18	7¼	0 10	3	11¼	29	1285	13	4	64	5	8	16	1	5
2 27	1	12	10¼	1 18	0	18	2¼	0 9	3	6¾	30	1330	0	0	66	10	0	16	12	6
2 26	1	12	5¼	1 17	0	17	9¾	0 8	3	2	31	1374	6	8	68	14	4	17	3	7
2 25	1	12	0¾	1 16	0	17	5	0 7	2	9¼	32	1418	13	4	70	18	8	17	14	8
2 24	1	11	8	1 15	0	17	0¼	0 6	2	4¼	33	1463	0	0	73	3	0	18	5	9
2 23	1	11	3¼	1 14	0	16	7¼	0 5	1	11¾	34	1507	6	8	75	7	4	18	16	10
2 22	1	10	10½	1 13	0	16	2¾	0 4	1	7	35	1551	13	4	77	11	8	19	7	11
2 21	1	10	5¾	1 12	0	15	10	0 3	1	2¼	36	1596	0	0	79	16	0	19	19	0
2 20	1	10	1	1 11	0	15	5¼	0 2	0	9¼	37	1640	6	8	82	0	4	20	10	1
2 19	1	9	8¼	1 10	0	15	0¾	0 1	0	4¾	38	1684	13	4	84	4	8	21	1	2

Note—4¾*d.* per lb.

£44 10s. per ton, £2 4s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£44 10s. per ton.			£2 4s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yd., aver. 11s. 1½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	4	1½	2	18	1	9	5	1 9	14 8½	2	89	0 0	4	9	0	1	2	3
3	26	2	3	8½	2	17	1	9	0	1 8	14 3½	3	133	10 0	6	13	6	1	13	4½
3	25	2	3	3½	2	16	1	8	7½	1 7	13 11	4	178	0 0	8	18	0	2	4	6
3	24	2	2	11	2	15	1	8	2½	1 6	13 6½	5	222	10 0	11	2	6	2	15	7½
3	23	2	2	6½	2	14	1	7	9½	1 5	13 1½	6	267	0 0	13	7	0	3	6	9
3	22	2	2	1½	2	13	1	7	5	1 4	12 8½	7	311	10 0	15	11	6	3	17	10½
3	21	2	1	8½	2	12	1	7	0½	1 3	12 4	8	356	0 0	17	16	0	4	9	0
3	20	2	1	4	2	11	1	6	7½	1 2	11 11½	9	400	10 0	20	0	6	5	0	1½
3	19	2	0	11½	2	10	1	6	2½	1 1	11 6½	10	445	0 0	22	5	0	5	11	3
3	18	2	0	6½	2	9	1	5	10	1 0	11 1½	11	489	10 0	24	9	6	6	2	4½
3	17	2	0	1½	2	8	1	5	5½	0 27	10 8½	12	534	0 0	26	14	0	6	13	6
3	16	1	19	8½	2	7	1	5	0½	0 26	10 4	13	578	10 0	28	18	6	7	4	7½
3	15	1	19	4	2	6	1	4	7½	0 25	9 11½	14	623	0 0	31	3	0	7	15	9
3	14	1	18	11½	2	5	1	4	3	0 24	9 6½	15	667	10 0	33	7	6	8	6	10½
3	13	1	18	6½	2	4	1	3	10½	0 23	9 1½	16	712	0 0	35	12	0	8	18	0
3	12	1	18	1½	2	3	1	3	5½	0 22	8 9	17	756	10 0	37	16	6	9	9	1½
3	11	1	17	9	2	2	1	3	0½	0 21	8 4½	18	801	0 0	40	1	0	10	0	3
3	10	1	17	4½	2	1	1	2	8	0 20	7 11½	19	845	10 0	42	5	6	10	11	4½
3	9	1	16	11½	2	0	1	2	3	0 19	7 6½	20	890	0 0	44	10	0	11	2	6
3	8	1	16	6½	1	27	1	1	10½	0 18	7 2	21	934	10 0	46	14	6	11	13	7½
3	7	1	16	2	1	26	1	1	5½	0 17	6 9½	22	979	0 0	48	19	0	12	4	9
3	6	1	15	9½	1	25	1	1	0½	0 16	6 4½	23	1023	10 0	51	3	6	12	15	10½
3	5	1	15	4½	1	24	1	0	8	0 15	5 11½	24	1068	0 0	53	8	0	13	7	0
3	4	1	14	11½	1	23	1	0	3½	0 14	5 6½	25	1112	10 0	55	12	6	13	18	1½
3	3	1	14	7	1	22	0	19	10½	0 13	5 2	26	1157	0 0	57	17	0	14	9	3
3	2	1	14	2½	1	21	0	19	5½	0 12	4 9½	27	1201	10 0	60	1	6	15	0	4½
3	1	1	13	9½	1	20	0	19	1	0 11	4 4½	28	1246	0 0	62	6	0	15	11	6
3	0	1	13	4½	1	19	0	18	8½	0 10	3 11½	29	1290	10 0	64	10	6	16	2	7½
2	27	1	12	11½	1	18	0	18	3½	0 9	3 7	30	1335	0 0	66	15	0	16	13	9
2	26	1	12	7	1	17	0	17	10½	0 8	3 2½	31	1379	10 0	68	19	6	17	4	10½
2	25	1	12	2½	1	16	0	17	6	0 7	2 9½	32	1424	0 0	71	4	0	17	16	0
2	24	1	11	9½	1	15	0	17	1½	0 6	2 4½	33	1468	10 0	73	8	6	18	7	1½
2	23	1	11	4½	1	14	0	16	8½	0 5	2 0	34	1513	0 0	75	13	0	18	18	3
2	22	1	11	0	1	13	0	16	3½	0 4	1 7	35	1557	10 0	77	17	6	19	9	4½
2	21	1	10	7½	1	12	0	15	10½	0 3	1 2½	36	1602	0 0	80	2	0	20	0	6
2	20	1	10	2½	1	11	0	15	6	0 2	0 9½	37	1646	10 0	82	6	6	20	11	7½
2	19	1	9	9½	1	10	0	15	1½	0 1	0 4½	38	1691	0 0	84	11	0	21	2	9

£45 per ton, £2 5s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£45 per ton.			£2 5s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yd., aver. 11s. 3d.		
qr.	lb.	£	s.	d.	qr	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	4	7½	2	18	1	9	9	1	9	14	10½	2	90	0	0	4	10	0	1	2	6
3	26	2	4	2½	2	17	1	9	4	1	8	14	5½	3	135	0	0	6	15	0	1	13	9
3	25	2	3	9½	2	16	1	8	11½	1	7	14	1	4	180	0	0	9	0	0	2	5	0
3	24	2	3	5	2	15	1	8	6½	1	6	13	8½	5	225	0	0	11	5	0	2	16	3
3	23	2	3	0	2	14	1	8	1½	1	5	13	3½	6	270	0	0	13	10	0	3	7	6
3	22	2	2	7½	2	13	1	7	8½	1	4	12	10½	7	315	0	0	15	15	0	3	18	9
3	21	2	2	2½	2	12	1	7	4	1	3	12	5½	8	360	0	0	18	0	0	4	10	0
3	20	2	1	9½	2	11	1	6	11½	1	2	12	1	9	405	0	0	20	5	0	5	1	3
3	19	2	1	5	2	10	1	6	6½	1	1	11	8	10	450	0	0	22	10	0	5	12	6
3	18	2	1	0	2	9	1	6	1½	1	0	11	3	11	495	0	0	24	15	0	6	3	9
3	17	2	0	7	2	8	1	5	8½	0	27	10	10½	12	540	0	0	27	0	0	6	15	0
3	16	2	0	2	2	7	1	5	4	0	26	10	5½	13	585	0	0	29	5	0	7	6	3
3	15	1	19	9½	2	6	1	4	11	0	25	10	0½	14	630	0	0	31	10	0	7	17	6
3	14	1	19	4½	2	5	1	4	6½	0	24	9	8	15	675	0	0	33	15	0	8	8	9
3	13	1	18	11½	2	4	1	4	1½	0	23	9	3½	16	720	0	0	36	0	0	9	0	0
3	12	1	18	6½	2	3	1	3	8½	0	22	8	10½	17	765	0	0	38	5	0	9	11	3
3	11	1	18	2	2	2	1	3	3½	0	21	8	5½	18	810	0	0	40	10	0	10	2	6
3	10	1	17	9	2	1	1	2	10½	0	20	8	0½	19	855	0	0	42	15	0	10	13	9
3	9	1	17	4½	2	0	1	2	6	0	19	7	7½	20	900	0	0	45	0	0	11	5	0
3	8	1	16	11½	1	27	1	2	1½	0	18	7	3	21	945	0	0	47	5	0	11	16	3
3	7	1	16	6½	1	26	1	1	8½	0	17	6	10	22	990	0	0	49	10	0	12	7	6
3	6	1	16	2	1	25	1	1	3½	0	16	6	5	23	1035	0	0	51	15	0	12	18	9
3	5	1	15	9	1	24	1	0	10½	0	15	6	0½	24	1080	0	0	54	0	0	13	10	0
3	4	1	15	4½	1	23	1	0	6	0	14	5	7½	25	1125	0	0	56	5	0	14	1	3
3	3	1	14	11½	1	22	1	0	1½	0	13	5	2½	26	1170	0	0	58	10	0	14	12	6
3	2	1	14	6½	1	21	0	19	8½	0	12	4	10	27	1215	0	0	60	15	0	15	3	9
3	1	1	14	2	1	20	0	19	3½	0	11	4	5	28	1260	0	0	63	0	0	15	15	0
3	0	1	13	9	1	19	0	18	10½	0	10	4	0	29	1305	0	0	65	5	0	16	6	3
2	27	1	13	4½	1	18	0	18	6	0	9	3	7½	30	1350	0	0	67	10	0	16	17	6
2	26	1	12	11½	1	17	0	18	1½	0	8	3	2½	31	1395	0	0	69	15	0	17	8	9
2	25	1	12	6½	1	16	0	17	8½	0	7	2	9½	32	1440	0	0	72	0	0	18	0	0
2	24	1	12	2	1	15	0	17	3½	0	6	2	5	33	1485	0	0	74	5	0	18	11	3
2	23	1	11	9	1	14	0	16	10½	0	5	2	0½	34	1530	0	0	76	10	0	19	2	6
2	22	1	11	4½	1	13	0	16	5½	0	4	1	7	35	1575	0	0	78	15	0	19	13	9
2	21	1	10	11½	1	12	0	16	1	0	3	1	2½	36	1620	0	0	81	0	0	20	5	0
2	20	1	10	6½	1	11	0	15	8	0	2	0	9½	37	1665	0	0	83	5	0	20	16	3
2	19	1	10	2	1	10	0	15	3½	0	1	0	4½	38	1710	0	0	85	10	0	21	7	6

£45 10*s.* per ton, £2 5*s.* 6*d.* per cwt. — Rate per qr. cwt., stone, and lb.											No.	£45 10*s.* per ton.			£2 5*s.* 6*d.* per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 11*s.* 4½*d.*		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	5	1¼	2	18	1	10	0¾	1	9	15	0½	2	91	0	0	4	11	0	1	2	9
3	26	2	4	8⅔	2	17	1	9	8	1	8	14	7½	3	136	10	0	6	16	6	1	14	1½
3	25	2	4	3½	2	16	1	9	3	1	7	14	2¼	4	182	0	0	9	2	0	2	5	6
3	24	2	3	10¾	2	15	1	8	10½	1	6	13	10	5	227	10	0	11	7	6	2	16	10½
3	23	2	3	6	2	14	1	8	5½	1	5	13	5	6	273	0	0	13	13	0	3	8	3
3	22	2	3	1	2	13	1	8	0⅓	1	4	13	0	7	318	10	0	15	18	6	3	19	7½
3	21	2	2	8	2	12	1	7	7½	1	3	12	7½	8	364	0	0	18	4	0	4	11	0
3	20	2	2	3½	2	11	1	7	2¾	1	2	12	2¼	9	409	10	0	20	9	6	5	2	4½
3	19	2	1	10¼	2	10	1	6	10	1	1	11	9½	10	455	0	0	22	15	0	5	13	9
3	18	2	1	5½	2	9	1	6	5	1	0	11	4½	11	500	10	0	25	0	6	6	5	1½
3	17	2	1	0¾	2	8	1	6	0	0	27	10	11¼	12	546	0	0	27	6	0	6	16	6
3	16	2	0	7⅝	2	7	1	5	7½	0	26	10	7	13	591	10	0	29	11	6	7	7	10½
3	15	2	0	2½	2	6	1	5	2⅓	0	25	10	2	14	637	0	0	31	17	0	7	19	3
3	14	1	19	9¾	2	5	1	4	9⅕	0	24	9	9½	15	682	10	0	34	2	6	8	10	7½
3	13	1	19	5	2	4	1	4	4⅘	0	23	9	4¼	16	728	0	0	36	8	0	9	2	0
3	12	1	19	0	2	3	1	4	0	0	22	8	11⅔	17	773	10	0	38	13	6	9	13	4½
3	11	1	18	7¼	2	2	1	3	7	0	21	8	6½	18	819	0	0	40	19	0	10	4	9
3	10	1	18	2½	2	1	1	3	2	0	20	8	1¾	19	864	10	0	43	4	6	10	16	1½
3	9	1	17	9¼	2	0	1	2	9	0	19	7	9	20	910	0	0	45	10	0	11	7	6
3	8	1	17	4⅓	1	27	1	2	4⅓	0	18	7	4	21	955	10	0	47	15	6	11	18	10½
3	7	1	16	11¾	1	26	1	1	11⅘	0	17	6	11½	22	1001	0	0	50	1	0	12	10	3
3	6	1	16	7	1	25	1	1	6⅘	0	16	6	6½	23	1046	10	0	52	6	6	13	1	7½
3	5	1	16	2	1	24	1	1	1¾	0	15	6	1½	24	1092	0	0	54	12	0	13	13	0
3	4	1	15	9	1	23	1	0	9	0	14	5	8½	25	1137	10	0	56	17	6	14	4	4½
3	3	1	15	4	1	22	1	0	4	0	13	5	3⅝	26	1183	0	0	59	3	0	14	15	9
3	2	1	14	11⅓	1	21	0	19	11⅕	0	12	4	10½	27	1228	10	0	61	8	6	15	7	1½
3	1	1	14	6⅔	1	20	0	19	6⅘	0	11	4	5¾	28	1274	0	0	63	14	0	15	18	6
3	0	1	14	1½	1	19	0	19	1½	0	10	4	1	29	1319	10	0	65	19	6	16	9	10½
2	27	1	13	8¼	1	18	0	18	8⅖	0	9	3	8	30	1365	0	0	68	5	0	17	1	3
2	26	1	13	4	1	17	0	18	3½	0	8	3	3	31	1410	10	0	70	10	6	17	12	7½
2	25	1	12	11	1	16	0	17	10¾	0	7	2	10¼	32	1456	0	0	72	16	0	18	4	0
2	24	1	12	6¼	1	15	0	17	5⅗	0	6	2	5½	33	1501	10	0	75	1	6	18	15	4½
2	23	1	12	1½	1	14	0	17	0¾	0	5	2	0⅔	34	1547	0	0	77	7	0	19	6	9
2	22	1	11	8¾	1	13	0	16	8	0	4	1	7⅘	35	1592	10	0	79	12	6	19	18	1½
2	21	1	11	3½	1	12	0	16	3	0	3	1	2⅘	36	1638	0	0	81	18	0	20	9	6
2	20	1	10	10¼	1	11	0	15	10¼	0	2	0	9½	37	1683	10	0	84	3	6	21	12	10½
2	19	1	10	5¾	1	10	0	15	5⅓	0	1	0	4¾	38	1729	0	0	86	9	0	21	18	3

£46 per ton, £2 6s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£46 per ton.			£2 6s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day ¼ yard, aver. 11s. 6d.		
qr.lb.	£	s.	d.	qr.lb.	£	s.	d.	qr.lb.	£	s.		£	s.	d.	£	s.	d.	£	s.	d.
3 27	2	5	7¼	2 18	1	10	5	1 9	1	5	3	2	92	0	0	4	12	0	1	3	0
3 26	2	5	2½	2 17	1	10	0	1 8	14	10		3	138	0	0	6	18	0	1	14	6
3 25	2	4	9⅓	2 16	1	9	7	1 7	14	5		4	184	0	0	9	4	0	2	6	0
3 24	2	4	4½	2 15	1	9	2	1 6	14	0		5	230	0	0	11	10	0	2	17	6
3 23	2	3	11¾	2 14	1	8	9	1 5	13	7		6	276	0	0	13	16	0	3	9	0
3 22	2	3	6¼	2 13	1	8	4	1 4	13	2		7	322	0	0	16	2	0	4	0	6
3 21	2	3	2	2 12	1	7	11½	1 3	12	9		8	368	0	0	18	8	0	4	12	0
3 20	2	2	9	2 11	1	7	6⅓	1 2	12	4		9	414	0	0	20	14	0	5	3	6
3 19	2	2	4¼	2 10	1	7	1⅔	1 1	11	11		10	460	0	0	23	0	0	5	15	0
3 18	2	1	11¼	2 9	1	6	8⅘	1 0	11	6		11	506	0	0	25	6	0	6	6	6
3 17	2	1	6¼	2 8	1	6	4	0 27	11	1		12	552	0	0	27	12	0	6	18	0
3 16	2	1	1⅔	2 7	1	5	11	0 26	10	8		13	598	0	0	29	18	0	7	9	6
3 15	2	0	8	2 6	1	5	6	0 25	10	3		14	644	0	0	32	4	0	8	1	0
3 14	2	0	3	2 5	1	5	1	0 24	9	10		15	690	0	0	34	10	0	8	12	6
3 13	1	19	10½	2 4	1	4	8	0 23	9	5		16	736	0	0	36	16	0	9	4	0
3 12	1	19	5⅓	2 3	1	4	3	0 22	9	0		17	782	0	0	39	2	0	9	15	6
3 11	1	19	0⅛	2 2	1	3	10	0 21	8	7		18	828	0	0	41	8	0	10	7	0
3 10	1	18	7⅔	2 1	1	3	5	0 20	8	3		19	874	0	0	43	14	0	10	18	6
3 9	1	18	2⅝	2 0	1	3	0	0 19	7	10		20	920	0	0	46	0	0	11	10	0
3 8	1	17	9¼	1 27	1	2	7	0 18	7	5		21	966	0	0	48	6	0	12	1	6
3 7	1	17	5	1 26	1	2	2	0 17	7	0		22	1012	0	0	50	12	0	12	13	0
3 6	1	17	0	1 25	1	1	9	0 16	6	7		23	1058	0	0	52	18	0	13	4	6
3 5	1	16	7	1 24	1	1	4	0 15	6	2		24	1104	0	0	55	4	0	13	16	0
3 4	1	16	2	1 23	1	0	11⅔	0 14	5	9		25	1150	0	0	57	10	0	14	7	6
3 3	1	15	9	1 22	1	0	6⅝	0 13	5	4		26	1196	0	0	59	16	0	14	19	0
3 2	1	15	4	1 21	1	0	2	0 12	4	11		27	1242	0	0	62	2	0	15	10	6
3 1	1	14	11	1 20	0	19	9	0 11	4	6		28	1288	0	0	64	8	0	16	2	0
3 0	1	14	6	1 19	0	19	4	0 10	4	1		29	1334	0	0	66	14	0	16	13	6
2 27	1	14	1½	1 18	0	18	11	0 9	3	8		30	1380	0	0	69	0	0	17	5	0
2 26	1	13	8⅓	1 17	0	18	6	0 8	3	3		31	1426	0	0	71	6	0	17	16	6
2 25	1	13	3¾	1 16	0	18	1	0 7	2	10		32	1472	0	0	73	12	0	18	8	0
2 24	1	12	10⅝	1 15	0	17	8	0 6	2	5		33	1518	0	0	75	18	0	18	19	6
2 23	1	12	5⅔	1 14	0	17	3	0 5	2	0		34	1564	0	0	78	4	0	19	11	0
2 22	1	12	0¼	1 13	0	16	10½	0 4	1	7		35	1610	0	0	80	10	0	20	2	6
2 21	1	11	8	1 12	0	16	5⅔	0 3	1	2		36	1656	0	0	82	16	0	20	14	0
2 20	1	11	3	1 11	0	16	0⅛	0 2	0	9		37	1702	0	0	85	2	0	21	5	6
2 19	1	10	10	1 10	0	15	7¾	0 1	0	4		38	1748	0	0	87	8	0	21	17	0

£46 10s. per ton, £2 6s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£46 10s. per ton.			£2 6s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 11s. 7½d.		
qr.lb.	£	s.	d.	qr.lb.	£	s.	d.	qr.lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3 27	2	6	1½	2 18	1	10	8½	1 9	15	4½	2	93	0	0	4	13	0	1	3	3
3 26	2	5	8½	2 17	1	10	3½	1 8	14	11½	3	139	10	0	6	19	6	1	14	10½
3 25	2	5	3½	2 16	1	9	10½	1 7	14	6½	4	186	0	0	9	6	0	2	6	6
3 24	2	4	10½	2 15	1	9	5½	1 6	14	1½	5	232	10	0	11	12	6	2	18	1½
3 23	2	4	5½	2 14	1	9	0½	1 5	13	8½	6	279	0	0	13	19	0	3	9	9
3 22	2	4	0½	2 13	1	8	8	1 4	13	3½	7	325	10	0	16	5	6	4	1	4½
3 20	2	3	7½	2 12	1	8	3	1 3	12	10½	8	372	0	0	18	12	0	4	13	0
3 21	2	3	2½	2 11	1	7	10	1 2	12	5½	9	418	10	0	20	18	6	5	4	7½
3 19	2	2	9½	2 10	1	7	5	1 1	12	0½	10	465	0	0	23	5	0	5	16	3
3 18	2	2	4½	2 9	1	7	0	1 0	11	7½	11	511	10	0	25	11	6	6	7	10½
3 17	2	1	11½	2 8	1	6	7	0 27	11	2½	12	558	0	0	27	18	0	6	19	6
3 16	2	1	6½	2 7	1	6	2	0 26	10	9½	13	604	10	0	30	4	6	7	11	1½
3 15	2	1	1½	2 6	1	5	9	0 25	10	4½	14	651	0	0	32	11	0	8	2	9
3 14	2	0	8½	2 5	1	5	4	0 24	9	11½	15	697	10	0	34	17	6	8	14	4½
3 13	2	0	3½	2 4	1	4	11	0 23	9	6½	16	744	0	0	37	4	0	9	6	0
3 12	1	19	10½	2 3	1	4	6	0 22	9	1½	17	790	10	0	39	10	6	9	17	7½
3 11	1	19	5½	2 2	1	4	1	0 21	8	8½	18	837	0	0	41	17	0	10	9	3
3 10	1	19	0½	2 1	1	3	8	0 20	8	3½	19	883	10	0	44	3	6	11	0	10½
3 9	1	18	7½	2 0	1	3	3	0 19	7	10½	20	930	0	0	46	10	0	11	12	6
3 8	1	18	2½	1 27	1	2	10½	0 18	7	5½	21	976	10	0	48	16	6	12	4	1½
3 7	1	17	9½	1 26	1	2	5½	0 17	7	0½	22	1023	0	0	51	3	0	12	15	9
3 6	1	17	4½	1 25	1	2	0½	0 16	6	7½	23	1069	10	0	53	9	6	13	7	4½
3 5	1	16	11½	1 24	1	1	7½	0 15	6	2½	24	1116	0	0	55	16	0	13	19	0
3 4	1	16	6½	1 23	1	1	2½	0 14	5	9½	25	1162	10	0	58	2	6	14	10	7½
3 3	1	16	1½	1 22	1	0	9½	0 13	5	4½	26	1209	0	0	60	9	0	15	2	3
3 2	1	15	8½	1 21	1	0	4½	0 12	4	11½	27	1255	10	0	62	15	6	15	13	10½
3 1	1	15	3½	1 20	0	19	11½	0 11	4	6½	28	1302	0	0	65	2	0	16	5	6
3 0	1	14	10½	1 19	0	19	6½	0 10	4	1½	29	1348	10	0	67	8	6	16	17	1½
2 27	1	14	5½	1 18	0	19	1½	0 9	3	8½	30	1395	0	0	69	15	0	17	8	9
2 26	1	14	0½	1 17	0	18	8½	0 8	3	3½	31	1441	10	0	72	1	6	18	0	4½
2 25	1	13	7½	1 16	0	18	3½	0 7	2	10½	32	1488	0	0	74	8	0	18	12	0
2 24	1	13	2½	1 15	0	17	10½	0 6	2	5½	33	1534	10	0	76	14	6	19	3	7½
2 23	1	12	9½	1 14	0	17	5½	0 5	2	0½	34	1581	0	0	79	1	0	19	15	3
2 22	1	12	4½	1 13	0	17	0½	0 4	1	7½	35	1627	10	0	81	7	6	20	6	10½
2 21	1	11	11½	1 12	0	16	7½	0 3	1	2½	36	1674	0	0	83	14	0	20	18	6
2 20	1	11	6½	1 11	0	16	2½	0 2	0	9½	37	1720	10	0	86	0	6	21	10	1½
2 19	1	11	1½	1 10	0	15	9½	0 1	0	4½	38	1767	0	0	88	7	0	22	1	9

£46 13s. 4d. per ton, £2 6s. 8d. per cwt. — Rate per qr. cwt., stone, and lb.												No.	£46 13s. 4d per ton.			£2 6s. 8d. per cwt., bushel, day, or yard.			qr. cwt., perk, ½ day, ½ yard, av. 11s. 8d.		
lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
27	2	6	3	2	18	1	10	10	1	9	15	5	2	93	6	8	4	13	4	1	3	4
26	2	5	10	2	17	1	10	5	1	8	15	0	3	140	0	0	7	0	0	1	15	0
25	2	5	5	2	16	1	10	0	1	7	14	7	4	186	13	4	9	6	8	2	6	8
24	2	5	0	2	15	1	9	7	1	6	14	2	5	233	6	8	11	13	4	2	18	4
23	2	4	7	2	14	1	9	2	1	5	13	9	6	280	0	0	14	0	0	3	10	0
22	2	4	2	2	13	1	8	9	1	4	13	4	7	326	13	4	16	6	8	4	1	8
21	2	3	9	2	12	1	8	4	1	3	12	11	8	393	6	8	18	13	4	4	13	4
20	2	3	4	2	11	1	7	11	1	2	12	6	9	420	0	0	21	0	0	5	5	0
19	2	2	11	2	10	1	7	6	1	1	12	1	10	466	13	4	23	6	8	5	16	8
18	2	2	6	2	9	1	7	1	1	0	11	8	11	513	6	8	25	13	4	6	8	4
17	2	2	1	2	8	1	6	8	0	27	11	3	12	560	0	0	28	0	0	7	0	0
16	2	1	8	2	7	1	6	3	0	26	10	10	13	606	13	4	30	6	8	7	11	8
15	2	1	3	2	6	1	5	10	0	25	10	5	14	653	6	8	32	13	4	8	3	4
14	2	0	10	2	5	1	5	5	0	24	10	0	15	700	0	0	35	0	0	8	15	0
13	2	0	5	2	4	1	5	0	0	23	9	7	16	746	13	4	37	6	8	9	6	8
12	2	0	0	2	3	1	4	7	0	22	9	2	17	793	6	8	39	13	4	9	18	4
11	1	19	7	2	2	1	4	2	0	21	8	9	18	840	0	0	42	0	0	10	10	0
10	1	19	2	2	1	1	3	9	0	20	8	4	19	886	13	4	44	6	8	11	1	8
9	1	18	9	2	0	1	3	4	0	19	7	11	20	933	6	8	46	13	4	11	13	4
8	1	18	4	1	27	1	2	11	0	18	7	6	21	980	0	0	49	0	0	12	5	0
7	1	17	11	1	26	1	2	6	0	17	7	1	22	1026	13	4	51	6	8	12	16	8
6	1	17	6	1	25	1	2	1	0	16	6	8	23	1073	6	8	53	13	4	13	8	4
5	1	17	1	1	24	1	1	8	0	15	6	3	24	1120	0	0	56	0	0	14	0	0
4	1	16	8	1	23	1	1	3	0	14	5	10	25	1166	13	4	58	6	8	14	11	8
3	1	16	3	1	22	1	0	10	0	13	5	5	26	1213	6	8	60	13	4	15	3	4
2	1	15	10	1	21	1	0	5	0	12	5	0	27	1260	0	0	63	0	0	15	15	0
1	1	15	5	1	20	1	0	0	0	11	4	7	28	1306	13	4	65	6	8	16	6	8
0	1	15	0	1	19	0	19	7	0	10	4	2	29	1353	6	8	67	13	4	16	18	4
27	1	14	7	1	18	0	19	2	0	9	3	9	30	1400	0	0	70	0	0	17	10	0
26	1	14	2	1	17	0	18	9	0	8	3	4	31	1446	13	4	72	6	8	18	1	8
25	1	13	9	1	16	0	18	4	0	7	2	11	32	1493	6	8	74	13	4	18	13	4
24	1	13	4	1	15	0	17	11	0	6	2	6	33	1540	0	0	77	0	0	19	5	0
23	1	12	11	1	14	0	17	6	0	5	2	1	34	1586	13	4	79	6	8	19	16	8
22	1	12	6	1	13	0	17	1	0	4	1	8	35	1633	6	8	81	13	4	20	8	4
21	1	12	1	1	12	0	16	8	0	3	1	3	36	1680	0	0	84	0	0	21	0	0
20	1	11	8	1	11	0	16	3	0	2	0	10	37	1726	13	4	86	6	8	21	11	8
19	1	11	3	1	10	0	15	10	0	1	0	5	38	1773	6	8	88	13	4	22	3	4

Note—5*d.* per lb.

£47 per ton, £2 7s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£47 per ton.			£2 7s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼yard, average 11s.9d.		
qr. lb.	£	s.	d.	qr. lb.	£	s.	d.	qr. lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3 27	2	6	7	2 18	1	11	0½	1	9	15 6½	2	94	0	0	4	14	0	1	3	6
3 26	2	6	2	2 17	1	10	7½	1	8	15 1½	3	141	0	0	7	1	0	1	15	3
3 25	2	5	9	2 16	1	10	2½	1	7	14 8¼	4	188	0	0	9	8	0	2	7	0
3 24	2	5	4	2 15	1	9	9½	1	6	14 3	5	235	0	0	11	15	0	2	18	9
3 23	2	4	11	2 14	1	9	4¼	1	5	13 10	6	282	0	0	14	2	0	3	10	6
3 22	2	4	6	2 13	1	8	11¼	1	4	13 5	7	329	0	0	16	9	0	4	2	3
3 21	2	4	1	2 12	1	8	6¼	1	3	13 0	8	376	0	0	18	16	0	4	14	0
3 20	2	3	8	2 11	1	8	1	1	2	12 7	9	423	0	0	21	3	0	5	5	9
3 19	2	3	3	2 10	1	7	8	1	1	12 2	10	470	0	0	23	10	0	5	17	6
3 18	2	2	10	2 9	1	7	3	1	0	11 9	11	517	0	0	25	17	0	6	9	3
3 17	2	2	5	2 8	1	6	10	0	27	11 4	12	564	0	0	28	4	0	7	1	0
3 16	2	1	11¾	2 7	1	6	5	0	26	10 11	13	611	0	0	30	11	0	7	12	9
3 15	2	1	6¾	2 6	1	6	0	0	25	10 6	14	658	0	0	32	18	0	8	4	6
3 14	2	1	1¾	2 5	1	5	7	0	24	10 1	15	705	0	0	35	5	0	8	16	3
3 13	2	0	8¼	2 4	1	5	2	0	23	9 7¾	16	752	0	0	37	12	0	9	8	0
3 12	2	0	3¼	2 3	1	4	9	0	22	9 2¾	17	799	0	0	39	19	0	9	19	9
3 11	1	19	10¼	2 2	1	4	4	0	21	8 9¾	18	846	0	0	42	6	0	10	11	6
3 10	1	19	5¼	2 1	1	3	11	0	20	8 4¾	19	893	0	0	44	13	0	11	3	3
3 9	1	19	0	2 0	1	3	6	0	19	7 11¾	20	940	0	0	47	0	0	11	15	0
3 8	1	18	7	1 27	1	3	1	0	18	7 6¾	21	987	0	0	49	7	0	12	6	9
3 7	1	18	2	1 26	1	2	8	0	17	7 1¾	22	1034	0	0	51	14	0	12	18	6
3 6	1	17	9	1 25	1	2	3	0	16	6 8¾	23	1081	0	0	54	1	0	13	10	3
3 5	1	17	4	1 24	1	1	9¾	0	15	6 3¾	24	1128	0	0	56	8	0	14	2	0
3 4	1	16	11	1 23	1	1	4¾	0	14	5 10¾	25	1175	0	0	58	15	0	14	13	9
3 3	1	16	6	1 22	1	0	11¾	0	13	5 5¾	26	1222	0	0	61	2	0	15	5	6
3 2	1	16	1	1 21	1	0	6¾	0	12	5 0¾	27	1269	0	0	63	9	0	15	17	3
3 1	1	15	8	1 20	1	0	1¾	0	11	4 7¾	28	1316	0	0	65	16	0	16	9	0
3 0	1	15	3	1 19	0	19	8¾	0	10	4 2¾	29	1363	0	0	68	3	0	17	0	9
2 27	1	14	9¾	1 18	0	19	3¾	0	9	3 9¼	30	1410	0	0	70	10	0	17	12	6
2 26	1	14	4¾	1 17	0	18	10¾	0	8	3 4¼	31	1457	0	0	72	17	0	18	4	3
2 25	1	13	11¾	1 16	0	18	5½	0	7	2 11¼	32	1504	0	0	75	4	0	18	16	0
2 24	1	13	6¾	1 15	0	18	0½	0	6	2 6	33	1551	0	0	77	11	0	19	7	9
2 23	1	13	1¾	1 14	0	17	7½	0	5	2 1	34	1598	0	0	79	18	0	19	19	6
2 22	1	12	8¼	1 13	0	17	2½	0	4	1 8	35	1645	0	0	82	5	0	20	11	3
2 21	1	12	3¼	1 12	0	16	9¼	0	3	1 3	36	1692	0	0	84	12	0	21	3	0
2 20	1	11	10¼	1 11	0	16	4¼	0	2	0 10	37	1739	0	0	86	19	0	21	14	9
2 19	1	11	5¼	1 10	0	15	11¼	0	1	0 5	38	1786	0	0	89	6	0	22	6	6

£47 10s. per ton, £2 7s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£47 10s. per ton.			£2 7s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 11s. 10½d.		
qr.	lb.	£	s.	d.	qr	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	7	1	2	18	1	11	5	1	9	15	8	2	95	0	0	4	15	0	1	3	9
3	26	2	6	8	2	17	1	11	0	1	8	15	3	3	142	10	0	7	2	6	1	15	7½
3	25	2	6	3	2	16	1	10	6¾	1	7	14	9¾	4	190	0	0	9	10	0	2	7	6
3	24	2	5	10	2	15	1	10	1½	1	6	14	4½	5	237	10	0	11	17	6	2	19	4½
3	23	2	5	5	2	14	1	9	8¼	1	5	13	11¼	6	285	0	0	14	5	0	3	11	3
3	22	2	5	0	2	13	1	9	3	1	4	13	6¼	7	332	10	0	16	12	6	4	3	1½
3	21	2	4	7	2	12	1	8	10	1	3	13	1¾	8	380	0	0	19	0	0	4	15	0
3	20	2	4	1¾	2	11	1	8	5	1	2	12	8¾	9	427	10	0	21	7	6	5	6	10½
3	19	2	3	8¼	2	10	1	8	0	1	1	12	3¼	10	475	0	0	23	15	0	5	18	9
3	18	2	3	3¼	2	9	1	7	6¾	1	0	11	10¾	11	522	10	0	26	2	6	6	10	7½
3	17	2	2	10½	2	8	1	7	1½	0	27	11	5½	12	570	0	0	28	10	0	7	2	6
3	16	2	2	5	2	7	1	6	8¼	0	26	11	0	13	617	10	0	30	17	6	7	14	4½
3	15	2	2	0	2	6	1	6	3¼	0	25	10	7	14	665	0	0	33	5	0	8	6	3
3	14	2	1	6¾	2	5	1	5	10	0	24	10	2	15	712	10	0	35	12	6	8	18	1½
3	13	2	1	1¾	2	4	1	5	5	0	23	9	9	16	760	0	0	38	0	0	9	10	0
3	12	2	0	8¼	2	3	1	5	0	0	22	9	4	17	807	10	0	40	7	6	10	1	10½
3	11	2	0	3¼	2	2	1	4	7	0	21	8	11	18	855	0	0	42	15	0	10	13	9
3	10	1	19	10¼	2	1	1	4	2	0	20	8	6	19	902	10	0	45	2	6	11	5	7½
3	9	1	19	5¼	2	0	1	3	9	0	19	8	0¾	20	950	0	0	47	10	0	11	17	6
3	8	1	19	0¼	1	27	1	3	4	0	18	7	7¼	21	997	10	0	49	17	6	12	9	4½
3	7	1	18	7¼	1	26	1	2	11	0	17	7	2¾	22	1045	0	0	52	5	0	13	1	3
3	6	1	18	2¾	1	25	1	2	6	0	16	6	9¾	23	1092	10	0	54	12	6	13	13	1½
3	5	1	17	9¼	1	24	1	2	1	0	15	6	4¾	24	1140	0	0	57	0	0	14	5	0
3	4	1	17	4	1	23	1	1	8	0	14	5	11¼	25	1187	10	0	59	7	6	14	16	10½
3	3	1	16	10¾	1	22	1	1	2¾	0	13	5	6	26	1235	0	0	61	15	0	15	8	9
3	2	1	16	5¼	1	21	1	0	9¾	0	12	5	1	27	1282	10	0	64	2	6	16	0	7½
3	1	1	16	0¼	1	20	1	0	4¾	0	11	4	8	28	1330	0	0	66	10	0	16	12	6
3	0	1	15	7¼	1	19	0	19	11¼	0	10	4	3	29	1377	10	0	68	17	6	17	4	4½
2	27	1	15	2¼	1	18	0	19	6¼	0	9	3	10	30	1425	0	0	71	5	0	17	16	3
2	26	1	14	9¼	1	17	0	19	1	0	8	3	5	31	1472	10	0	73	12	6	18	8	1½
2	25	1	14	4¼	1	16	0	18	7¾	0	7	2	11¾	32	1520	0	0	76	0	0	19	0	0
2	24	1	13	11¾	1	15	0	18	2¾	0	6	2	6¾	33	1567	10	0	78	7	6	19	11	10½
2	23	1	13	6¾	1	14	0	17	9¾	0	5	2	1¾	34	1615	0	0	80	15	0	20	3	9
2	22	1	13	1¾	1	13	0	17	4¾	0	4	1	8¾	35	1662	10	0	83	2	6	20	15	7½
2	21	1	12	8¾	1	12	0	16	11¾	0	3	1	3	36	1710	0	0	85	10	0	21	7	6
2	20	1	12	3¾	1	11	0	16	6¾	0	2	0	10	37	1757	10	0	87	17	6	21	19	4½
2	19	1	11	10	1	10	0	16	1¾	0	1	0	5	38	1805	0	0	90	5	0	22	11	3

£49 per ton, £2 9s. per cwt. Rate per qr. cwt., stone, and lb.										No.	£49 per ton.			£2 9s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 12s. 3d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.												
3	27	2	8	6⅜	2	18	1	12	4½	1	9	16	2½	2	98	0	0	4	18	0	1	4	6
3	26	2	8	1⅜	2	17	1	11	11½	1	8	15	9	3	147	0	0	7	7	0	1	16	9
3	25	2	7	8½	2	16	1	11	6	1	7	15	3¾	4	196	0	0	9	16	0	2	9	0
3	24	2	7	3	2	15	1	11	0⅜	1	6	14	10½	5	245	0	0	12	5	0	3	1	3
3	23	2	6	9⅜	2	14	1	10	7½	1	5	14	5½	6	294	0	0	14	14	0	3	13	6
3	22	2	6	4⅜	2	13	1	10	2½	1	4	14	0	7	343	0	0	17	3	0	4	5	9
3	21	2	5	11½	2	12	1	9	9	1	3	13	6¾	8	392	0	0	19	12	0	4	18	0
3	20	2	5	6	2	11	1	9	3⅜	1	2	13	1½	9	441	0	0	22	1	0	5	10	3
3	19	2	5	0⅜	2	10	1	8	10¼	1	1	12	8½	10	490	0	0	24	10	0	6	2	6
3	18	2	4	7⅜	2	9	1	8	5¼	1	0	12	3	11	539	0	0	26	19	0	6	14	9
3	17	2	4	2¼	2	8	1	8	0	0	27	11	9¾	12	588	0	0	29	8	0	7	7	0
3	16	2	3	9	2	7	1	7	6⅜	0	26	11	4½	13	637	0	0	31	17	0	7	19	3
3	15	2	3	3⅜	2	6	1	7	1⅜	0	25	10	11¼	14	686	0	0	34	6	0	8	11	6
3	14	2	2	10⅜	2	5	1	6	8¼	0	24	10	6	15	735	0	0	36	15	0	9	3	9
3	13	2	2	5¼	2	4	1	6	3	0	23	10	0⅜	16	784	0	0	39	4	0	9	16	0
3	12	2	2	0	2	3	1	5	9⅜	0	22	9	7½	17	833	0	0	41	13	0	10	8	3
3	11	2	1	6⅜	2	2	1	5	4½	0	21	9	2½	18	882	0	0	44	2	0	11	0	6
3	10	2	1	1½	2	1	1	4	11¼	0	20	8	9	19	931	0	0	46	11	0	11	12	9
3	9	2	0	8¼	2	0	1	4	6	0	19	8	3¾	20	980	0	0	49	0	0	12	5	0
3	8	2	0	3	1	27	1	4	0⅜	0	18	7	10½	21	1029	0	0	51	9	0	12	17	3
3	7	1	19	9⅜	1	26	1	3	7¼	0	17	7	5¼	22	1078	0	0	53	18	0	13	9	6
3	6	1	19	4¼	1	25	1	3	2¼	0	16	7	0	23	1127	0	0	56	7	0	14	1	9
3	5	1	18	11¼	1	24	1	2	9	0	15	6	6¾	24	1176	0	0	58	16	0	14	14	0
3	4	1	18	6	1	23	1	2	3⅜	0	14	6	1½	25	1225	0	0	61	5	0	15	6	3
3	3	1	18	0⅜	1	22	1	1	10¼	0	13	5	8¼	26	1274	0	0	63	14	0	15	18	6
3	2	1	17	7½	1	21	1	1	5¼	0	12	5	3	27	1323	0	0	66	3	0	16	10	9
3	1	1	17	2¼	1	20	1	1	0	0	11	4	9¾	28	1372	0	0	68	12	0	17	3	0
3	0	1	16	9	1	19	1	0	6⅜	0	10	4	4½	29	1421	0	0	71	1	0	17	15	3
2	27	1	16	3⅜	1	18	1	0	1⅜	0	9	3	11¼	30	1470	0	0	73	10	0	18	7	6
2	26	1	15	10¾	1	17	0	19	8¼	0	8	3	6	31	1519	0	0	75	19	0	18	19	9
2	25	1	15	5¼	1	16	0	19	3	0	7	3	0⅜	32	1568	0	0	78	8	0	19	12	0
2	24	1	15	0	1	15	0	18	9¾	0	6	2	7¼	33	1617	0	0	80	17	0	20	4	3
2	23	1	14	6¾	1	14	0	18	4¼	0	5	2	2¼	34	1666	0	0	83	6	0	20	16	6
2	22	1	14	1¾	1	13	0	17	11¼	0	4	1	9	35	1715	0	0	85	15	0	21	8	9
2	21	1	13	8¼	1	12	0	17	6	0	3	1	3¾	36	1764	0	0	88	4	0	22	1	0
2	20	1	13	3	1	11	0	17	0⅜	0	2	0	10½	37	1813	0	0	90	13	0	22	13	3
2	19	1	12	9¾	1	10	0	16	7½	0	1	0	5¼	38	1862	0	0	93	2	0	23	5	6

Note—5¼*d.* per lb.

£49 10s. per ton, £2 9s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£49 10s. per ton.			£2 9s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, av. 12s. 4½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	9	0¾	2	18	1	12	8¼	1	9	16	4	2	99	0	0	4	19	0	1	4	9
3	26	2	8	7½	2	17	1	12	3	1	8	15	10¾	3	148	10	0	7	8	6	1	17	1½
3	25	2	8	2¼	2	16	1	11	9¾	1	7	15	5½	4	198	0	0	9	18	0	2	9	6
3	24	2	7	9	2	15	1	11	4½	1	6	15	0	5	247	10	0	12	7	6	3	1	10½
3	23	2	7	3¾	2	14	1	10	11¼	1	5	14	6¾	6	297	0	0	14	17	0	3	14	3
3	22	2	6	10½	2	13	1	10	6	1	4	14	1½	7	346	10	0	17	6	6	4	6	7½
3	21	2	6	5¼	2	12	1	10	0½	1	3	13	8¼	8	396	0	0	19	16	0	4	19	0
3	20	2	6	0	2	11	1	9	7	1	2	13	3	9	445	10	0	22	5	6	5	11	4½
3	19	2	5	6¾	2	10	1	9	1¾	1	1	12	9¾	10	495	0	0	24	15	0	6	3	9
3	18	2	5	1½	2	9	1	8	9¼	1	0	12	4¼	11	544	10	0	27	4	6	6	16	1½
3	17	2	4	8¼	2	8	1	8	4¼	0	27	11	11	12	594	0	0	29	14	0	7	8	6
3	16	2	4	2½	2	7	1	7	11	0	26	11	5¾	13	643	10	0	32	3	6	8	0	10½
3	15	2	3	9	2	6	1	7	5¾	0	25	11	0¼	14	693	0	0	34	13	0	8	13	3
3	14	2	3	3¾	2	5	1	7	0¼	0	24	10	7	15	742	10	0	37	2	6	9	5	7½
3	13	2	2	10¾	2	4	1	6	7¼	0	23	10	1¾	16	792	0	0	39	12	0	9	18	0
3	12	2	2	5¼	2	3	1	6	2	0	22	9	8½	17	841	10	0	42	1	6	10	10	4½
3	11	2	2	0	2	2	1	5	8¾	0	21	9	3	18	891	0	0	44	11	0	11	2	9
3	10	2	1	6¾	2	1	1	5	3½	0	20	8	9¾	19	940	10	0	47	0	6	11	15	1½
3	9	2	1	1½	2	0	1	4	9	0	19	8	4½	20	990	0	0	49	10	0	12	7	6
3	8	2	0	8	1	27	1	4	3¾	0	18	7	11¼	21	1039	10	0	51	19	6	12	19	10½
3	7	2	0	2¾	1	26	1	3	10¼	0	17	7	6	22	1089	0	0	54	9	0	13	12	3
3	6	1	19	9½	1	25	1	3	5¼	0	16	7	0½	23	1138	10	0	56	18	6	14	4	7½
3	6	1	19	4	1	24	1	3	0	0	15	6	7½	24	1188	0	0	59	8	0	14	17	0
3	4	1	18	10¾	1	23	1	2	6¼	0	14	6	2¼	25	1237	10	0	61	17	6	15	9	4½
3	3	1	18	5½	1	22	1	2	1¼	0	13	5	9	26	1287	0	0	64	7	0	16	1	9
3	2	1	18	0	1	21	1	1	8	0	12	5	3½	27	1336	10	0	66	16	6	16	14	1½
3	1	1	17	6¾	1	20	1	1	2¾	0	11	4	10½	28	1386	0	0	69	6	0	17	6	6
3	0	1	17	1½	1	19	1	0	9¼	0	10	4	5¼	29	1436	10	0	71	15	6	17	18	10½
2	27	1	16	8	1	18	1	0	4	0	9	4	0	30	1485	0	0	74	5	0	18	11	3
2	26	1	16	2¾	1	17	0	19	10½	0	8	3	6½	31	1534	10	0	76	14	6	19	3	7½
2	25	1	15	9½	1	16	0	19	5¼	0	7	3	1	32	1584	0	0	79	4	0	19	16	0
2	24	1	15	4	1	15	0	19	0	0	6	2	7¾	33	1633	10	0	81	13	6	20	8	4½
2	23	1	14	10¾	1	14	0	18	6¾	0	5	2	2¼	34	1683	0	0	84	3	0	21	0	9
2	22	1	14	5½	1	13	0	18	1¼	0	4	1	9½	35	1732	10	0	86	12	6	21	13	1½
2	21	1	14	0	1	12	0	17	8	0	3	1	4	36	1782	0	0	89	2	0	22	5	6
2	20	1	13	6¾	1	11	0	17	2¾	0	2	0	10½	37	1831	10	0	91	11	6	22	17	10½
2	19	1	13	1½	1	10	0	16	9½	0	1	0	5¼	38	1881	0	0	94	1	0	23	10	3

£50 per ton, £2 10s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£50 per ton.			£2 10s. per cwt., bushel, day, or yard.			qr. cwt., peck. ¼ day, ¼ yard, aver. 12s. 6d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	9	6¾	2	18	1	13	0½	1	9	16	6¾	2	100	0	0	5	0	0	1	5	0
3	26	2	9	1½	2	17	1	12	7¼	1	8	16	1½	3	150	0	0	7	10	0	1	17	6
3	25	2	8	8	2	16	1	12	2	1	7	15	8	4	200	0	0	10	0	0	2	10	0
3	24	2	8	2½	2	15	1	11	8½	1	6	15	2¾	5	250	0	0	12	10	0	3	2	6
3	23	2	7	9	2	14	1	11	3	1	5	14	9½	6	300	0	0	15	0	0	3	15	0
3	22	2	7	3¾	2	13	1	10	9¾	1	4	14	4	7	350	0	0	17	10	0	4	7	6
3	21	2	6	10½	2	12	1	10	4¼	1	3	13	10½	8	400	0	0	20	0	0	5	0	0
3	20	2	6	5¼	2	11	1	9	11	1	2	13	5	9	450	0	0	22	10	0	5	12	6
3	19	2	5	11¾	2	10	1	9	5½	1	1	12	11¼	10	500	0	0	25	0	0	6	5	0
3	18	2	5	6½	2	9	1	9	0	1	0	12	6	11	550	0	0	27	10	0	6	17	6
3	17	2	5	1	2	8	1	8	6¾	0	27	12	0½	12	600	0	0	30	0	0	7	10	0
3	16	2	4	7½	2	7	1	8	1¼	0	26	11	7	13	650	0	0	32	10	0	8	2	6
3	15	2	4	2¼	2	6	1	7	8	0	25	11	1¾	14	700	0	0	35	0	0	8	15	0
3	14	2	3	9	2	5	1	7	2½	0	24	10	8½	15	750	0	0	37	10	0	9	7	6
3	13	2	3	3¾	2	4	1	6	9	0	23	10	3	16	800	0	0	40	0	0	10	0	0
3	12	2	2	10½	2	3	1	6	3¾	0	22	9	9¾	17	850	0	0	42	10	0	10	12	6
3	11	2	2	5¼	2	2	1	5	10¼	0	21	9	4¼	18	900	0	0	45	0	0	11	5	0
3	10	2	2	0	2	1	1	5	5¼	0	20	8	11	19	950	0	0	47	10	0	11	17	6
3	9	2	1	6½	2	0	1	5	0	0	19	8	5¾	20	1000	0	0	50	0	0	12	10	0
3	8	2	1	1	1	27	1	4	6¾	0	18	8	0¼	21	1050	0	0	52	10	0	13	2	6
3	7	2	0	7¾	1	26	1	4	1¼	0	17	7	7	22	1100	0	0	55	0	0	13	15	0
3	6	2	0	2¼	1	25	1	3	8¼	0	16	7	1¾	23	1150	0	0	57	10	0	14	7	6
3	5	1	19	9	1	24	1	3	3	0	15	6	8¼	24	1200	0	0	60	0	0	15	0	0
3	4	1	19	3¼	1	23	1	2	9¾	0	14	6	3	25	1250	0	0	62	10	0	15	12	6
3	3	1	18	10	1	22	1	2	4¼	0	13	5	9½	26	1300	0	0	65	0	0	16	5	0
3	2	1	18	4¾	1	21	1	1	11	0	12	5	4½	27	1350	0	0	67	10	0	16	17	6
3	1	1	17	11½	1	20	1	1	5½	0	11	4	11	28	1400	0	0	70	0	0	17	10	0
3	0	1	17	6	1	19	1	1	0	0	10	4	5¼	29	1450	0	0	72	10	0	18	2	6
2	27	1	17	0½	1	18	1	0	6¾	0	9	4	0½	30	1500	0	0	75	0	0	18	15	0
2	26	1	16	7	1	17	1	0	1½	0	8	3	7	31	1550	0	0	77	10	0	19	7	6
2	25	1	16	1¾	1	16	0	19	8	0	7	3	1¾	32	1600	0	0	80	0	0	20	0	0
2	24	1	15	8½	1	15	0	19	2¼	0	6	2	8	33	1650	0	0	82	10	0	20	12	6
2	23	1	15	3	1	14	0	18	9	0	5	2	2¾	34	1700	0	0	85	0	0	21	5	0
2	22	1	14	9¾	1	13	0	18	3¾	0	4	1	9½	35	1750	0	0	87	10	0	21	17	6
2	21	1	14	4½	1	12	0	17	10½	0	3	1	4	36	1800	0	0	90	0	0	22	10	0
2	20	1	13	11¼	1	11	0	17	5¼	0	2	0	10½	37	1850	0	0	92	10	0	23	2	6
2	19	1	13	6	1	10	0	17	0	0	1	0	5¼	38	1900	0	0	95	0	0	23	15	0

£50 10s. per ton, £2 10s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£50 10s. per ton.			£2 10s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, aver. 12s. 7½d		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	10	0¾	2	18	1	13	4½	1	9	16	8	2	101	0	0	5	1	0	1	5	3
3	26	2	9	7¼	2	17	1	12	11	1	8	16	2¾	3	151	10	0	7	11	6	1	17	10½
3	25	2	9	2	2	16	1	12	5½	1	7	15	9¾	4	202	0	0	10	2	0	2	10	6
3	24	2	8	8¼	2	15	1	12	0	1	6	15	4	5	252	10	0	12	12	6	3	3	1½
3	23	2	8	3	2	14	1	11	6¾	1	5	14	10½	6	303	0	0	15	3	0	3	15	9
3	22	2	7	9¾	2	13	1	11	1½	1	4	14	5¼	7	353	10	0	17	13	6	4	8	4½
3	21	2	7	4½	2	12	1	10	8	1	3	14	0	8	404	0	0	20	4	0	5	1	0
3	20	2	6	11	2	11	1	10	2¼	1	2	13	6½	9	454	10	0	22	14	6	5	13	7½
3	19	2	6	5¾	2	10	1	9	9	1	1	13	1	10	505	0	0	25	5	0	6	6	3
3	18	2	6	0	2	9	1	9	3½	1	0	12	7½	11	555	10	0	27	15	6	6	18	10½
3	17	2	5	6¾	2	8	1	8	10	0	27	12	2	12	606	0	0	30	6	0	7	11	6
3	16	2	5	1	2	7	1	8	4¾	0	26	11	8½	13	656	10	0	32	16	6	8	4	1½
3	15	2	4	7½	2	6	1	7	11¼	0	25	11	3	14	707	0	0	35	7	0	8	16	9
3	14	2	4	2½	2	5	1	7	6	0	24	10	9½	15	757	10	0	37	17	6	9	9	4½
3	13	2	3	9	2	4	1	7	0½	0	23	10	4	16	808	0	0	40	8	0	10	2	0
3	12	2	3	3½	2	3	1	6	7	0	22	9	10¾	17	858	10	0	42	18	6	10	14	7½
3	11	2	2	10	2	2	1	6	1¾	0	21	9	5½	18	909	0	0	45	9	0	11	7	3
3	10	2	2	4¾	2	1	1	5	7¾	0	20	9	0¼	19	959	10	0	47	19	6	11	19	10½
3	9	2	1	11	2	0	1	5	3	0	19	8	6¾	20	1010	0	0	50	10	0	12	12	6
3	8	2	1	5¼	1	27	1	4	9¾	0	18	8	1¼	21	1060	10	0	53	0	6	13	5	1½
3	7	2	1	0	1	26	1	4	4¼	0	17	7	8	22	1111	0	0	55	11	0	13	17	9
3	6	2	0	6¾	1	25	1	3	11	0	16	7	2¾	23	1161	10	0	58	1	6	14	10	4½
3	5	2	0	1	1	24	1	3	5¼	0	15	6	9	24	1212	0	0	60	12	0	15	3	0
3	4	1	19	7¾	1	23	1	3	0	0	14	6	3¾	25	1262	10	0	63	2	6	15	15	7½
3	3	1	19	2¼	1	22	1	2	6½	0	13	5	10½	26	1313	0	0	65	13	0	16	8	3
3	2	1	18	9½	1	21	1	2	1	0	12	5	5¼	27	1363	10	0	68	3	6	17	0	10½
3	1	1	18	4	1	20	1	1	7½	0	11	5	0	28	1414	0	0	70	14	0	17	13	6
3	0	1	17	10¼	1	19	1	1	2	0	10	4	6¾	29	1464	10	0	73	4	6	18	6	1½
2	27	1	17	5¼	1	18	1	0	8¾	0	9	4	1	30	1515	0	0	75	15	0	18	18	9
2	26	1	17	0	1	17	1	0	3¼	0	8	3	7½	31	1565	10	0	78	5	6	19	11	4½
2	25	1	16	6¾	1	16	0	19	10	0	7	3	2	32	1616	0	0	80	16	0	20	4	0
2	24	1	16	1	1	15	0	19	4¼	0	6	2	8½	33	1666	10	0	83	6	6	20	16	7½
2	23	1	15	7¾	1	14	0	18	11¼	0	5	2	3	34	1717	0	0	85	17	0	21	9	3
2	22	1	15	2	1	13	0	18	6	0	4	1	9½	35	1767	10	0	88	7	6	22	1	10½
2	21	1	14	8¼	1	12	0	18	0¼	0	3	1	4	36	1818	0	0	90	18	0	22	14	6
2	20	1	14	3	1	11	0	17	7	0	2	0	10½	37	1868	10	0	93	8	6	23	7	1½
2	19	1	13	9¾	1	10	0	17	1½	0	1	0	5¼	38	1919	0	0	95	18	0	23	19	9

£51 per ton, £2 11s. per cwt. Rate per qr. cwt., stone, and lb.										No.	£51 per ton.			£2 11s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 12s. 9d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	10	6½	2	18	1	13	8½	1	9	16	10	2	102	0	0	5	2	0	1	5	6
3	26	2	10	1½	2	17	1	13	3	1	8	16	4½	3	153	0	0	7	13	0	1	18	3
3	25	2	9	8	2	16	1	12	9½	1	7	15	11½	4	204	0	0	10	4	0	2	11	0
3	24	2	9	2½	2	15	1	12	4	1	6	15	6	5	255	0	0	12	15	0	3	3	9
3	23	2	8	9	2	14	1	11	10½	1	5	15	0½	6	306	0	0	15	6	0	3	16	6
3	22	2	8	3½	2	13	1	11	5½	1	4	14	7	7	357	0	0	17	17	0	4	9	3
3	21	2	7	10	2	12	1	11	0	1	3	14	1½	8	408	0	0	20	8	0	5	2	0
3	20	2	7	4½	2	11½	1	10	6½	1	2	13	8	9	459	0	0	22	19	0	5	14	9
3	19	2	6	11	2	10	1	10	1	1	1	13	2½	10	510	0	0	25	10	0	6	7	6
3	18	2	6	5½	2	9	1	9	7½	1	0	12	9	11	561	0	0	28	1	0	7	0	3
3	17	2	6	0	2	8	1	9	2	0	27	12	3½	12	612	0	0	30	12	0	7	13	0
3	16	2	5	6½	2	7	1	8	8½	0	26	11	10	13	663	0	0	33	3	0	8	5	9
3	15	2	5	1	2	6	1	8	3	0	25	11	4½	14	714	0	0	35	14	0	8	18	6
3	14	2	4	7½	2	5	1	7	9½	0	24	10	11	15	765	0	0	38	5	0	9	11	3
3	13	2	4	2	2	4	1	7	4	0	23	10	5½	16	816	0	0	40	16	0	10	4	0
3	12	2	3	8½	2	3	1	6	10½	0	22	10	0	17	867	0	0	43	7	0	10	16	9
3	11	2	3	3½	2	2	1	6	5	0	21	9	6½	18	918	0	0	45	18	0	11	9	6
3	10	2	2	10	2	1	1	5	11½	0	20	9	1½	19	969	0	0	48	9	0	12	2	3
3	9	2	2	4½	2	0	1	5	6	0	19	8	8	20	1020	0	0	51	0	0	12	15	0
3	8	2	1	11½	1	27	1	5	0½	0	18	8	2½	21	1071	0	0	53	11	0	13	7	9
3	7	2	1	6	1	26	1	4	7	0	17	7	9	22	1122	0	0	56	2	0	14	0	6
3	6	2	1	0½	1	25	1	4	1½	0	16	7	3½	23	1173	0	0	58	13	0	14	13	3
3	5	2	0	7	1	24	1	3	8	0	15	6	10	24	1224	0	0	61	4	0	15	6	0
3	4	2	0	1½	1	23	1	3	2½	0	14	6	4½	25	1275	0	0	63	15	0	15	18	9
3	3	1	19	8	1	22	1	2	9	0	13	5	11	26	1326	0	0	66	6	0	16	11	6
3	2	1	19	2½	1	21	1	2	3½	0	12	5	5½	27	1377	0	0	68	17	0	17	4	3
3	1	1	18	9	1	20	1	1	10	0	11	5	0½	28	1428	0	0	71	8	0	17	17	0
3	0	1	18	3½	1	19	1	1	4½	0	10	4	6½	29	1479	0	0	73	19	0	18	9	9
2	27	1	17	10	1	18	1	0	11½	0	9	4	1½	30	1530	0	0	76	10	0	19	2	6
2	26	1	17	4½	1	17	1	0	6	0	8	3	7½	31	1581	0	0	79	1	0	19	15	3
2	25	1	16	11	1	16	1	0	0½	0	7	3	2½	32	1632	0	0	81	12	0	20	8	0
2	24	1	16	5½	1	15	0	19	7	0	6	2	8½	33	1683	0	0	84	3	0	21	0	9
2	23	1	16	0	1	14	0	19	1½	0	5	2	3½	34	1734	0	0	86	14	0	21	13	6
2	22	1	15	6½	1	13	0	18	8	0	4	1	9½	35	1785	0	0	89	5	0	22	6	3
2	21	1	15	1	1	12	0	18	2½	0	3	1	4½	36	1836	0	0	91	16	0	22	19	0
2	20	1	14	7½	1	11	0	17	9	0	2	0	10½	37	1887	0	0	94	7	0	23	11	9
2	19	1	14	2	1	10	0	17	3½	0	1	0	5½	38	1938	0	0	96	18	0	24	4	6

£51 6s. 8d. per ton, £2 11s. 4d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£51 6s. 8d. per ton.			£2 11s. 4d. per cwt. bush, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 126.10d.		
qr. lb.	£	s.	d.	qr. lb	£	s.	d.	qr. lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3 27	2	10	10½	2	18	1	13	11	1	9	16	11½	2	102	13	4	5	2	8	1	5	8
3 26	2	10	5	2	17	1	13	5½	1	8	16	6	3	154	0	0	7	14	0	1	18	6
3 25	2	9	11½	2	16	1	13	0	1	7	16	0½	4	205	6	8	10	5	4	2	11	4
3 24	2	9	6	2	15	1	12	6½	1	6	15	7	5	256	13	4	12	16	8	3	4	2
3 23	2	9	0½	2	14	1	12	1	1	5	15	1½	6	308	0	0	15	8	0	3	17	0
3 22	2	8	7	2	13	1	11	7½	1	4	14	8	7	359	6	8	17	19	4	4	9	10
3 21	2	8	1½	2	12	1	11	2	1	3	14	2½	8	410	13	4	20	10	8	5	2	8
3 20	2	7	8	2	11	1	10	8½	1	2	13	9	9	462	0	0	23	2	0	5	15	6
3 19	2	7	2½	2	10	1	10	3	1	1	13	3½	10	513	6	8	25	13	4	6	8	4
3 18	2	6	9	2	9	1	9	9½	1	0	12	10	11	564	13	4	28	4	8	7	1	2
3 17	2	6	3½	2	8	1	9	4	0	27	12	4½	12	616	0	0	30	16	0	7	14	0
3 16	2	5	10	2	7	1	8	10½	0	26	11	11	13	667	6	8	33	7	4	8	6	10
3 15	2	5	4½	2	6	1	8	5	0	25	11	5½	14	718	13	4	35	18	8	8	19	8
3 14	2	4	11	2	5	1	7	11½	0	24	11	0	15	770	0	0	38	10	0	9	12	6
3 13	2	4	5½	2	4	1	7	6	0	23	10	6½	16	821	6	8	41	1	4	10	5	4
3 12	2	4	0	2	3	1	7	0½	0	22	10	1	17	872	13	4	43	12	8	10	18	2
3 11	2	3	6½	2	2	1	6	7	0	21	9	7½	18	924	0	0	46	4	0	11	11	0
3 10	2	3	1	2	1	1	6	1½	0	20	9	2	19	975	6	8	48	15	4	12	3	10
3 9	2	2	7½	2	0	1	5	8	0	19	8	8½	20	1026	13	4	51	6	8	12	16	8
3 8	2	2	2	1	27	1	5	2½	0	18	8	3	21	1078	0	0	53	18	0	13	9	6
3 7	2	1	8½	1	26	1	4	9	0	17	7	9½	22	1129	6	8	56	9	4	14	2	4
3 6	2	1	3	1	25	1	4	4½	0	16	7	4	23	1180	13	4	59	0	8	14	15	2
3 5	2	0	9½	1	24	1	3	11	0	15	6	10½	24	1232	0	0	61	12	0	15	8	0
3 4	2	0	4	1	23	1	3	5½	0	14	6	5	25	1283	6	8	64	3	4	16	0	10
3 3	1	19	10½	1	22	1	3	0	0	13	5	11½	26	1334	13	4	66	14	8	16	13	8
3 2	1	19	5	1	21	1	2	6½	0	12	5	6	27	1386	0	0	69	6	0	17	6	6
3 1	1	18	11½	1	20	1	2	0	0	11	5	0½	28	1437	6	8	71	17	4	17	19	4
3 0	1	18	6	1	19	1	1	7½	0	10	4	7	29	1488	13	4	74	8	8	18	12	2
2 27	1	18	0½	1	18	1	1	2	0	9	4	1½	30	1540	0	0	77	0	0	19	5	0
2 26	1	17	7	1	17	1	0	8½	0	8	3	8	31	1591	6	8	79	11	4	19	17	10
2 25	1	17	1½	1	16	1	0	3	0	7	3	2½	32	1642	13	4	82	2	8	20	10	8
2 24	1	16	8	1	15	0	19	9½	0	6	2	9	33	1694	0	0	84	14	0	21	3	6
2 23	1	16	2½	1	14	0	19	3	0	5	2	3½	34	1745	6	8	87	5	4	21	16	4
2 22	1	15	9	1	13	0	18	9½	0	4	1	10	35	1796	13	4	89	16	8	22	9	2
2 21	1	15	3½	1	12	0	18	4	0	3	1	4½	36	1848	0	0	92	8	0	23	2	0
2 20	1	14	10	1	11	0	17	10½	0	2	0	11	37	1899	6	8	94	19	4	23	14	10
2 19	1	14	4½	1	10	0	17	5	0	1	0	5½	38	1950	13	4	97	10	8	24	7	8

Note—5½*d.* per lb.

£51 10s. per ton, £2 11s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£51 10s. per ton.			£2 11s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., aver. 12s. 10½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	11	0½	2	18	1	14	0½	1	9	17	0	2	103	0	0	5	3	0	1	5	9
3	26	2	10	7	2	17	1	13	7	1	8	16	6½	3	154	10	0	7	14	6	1	18	7½
3	25	2	10	1½	2	16	1	13	1½	1	7	16	1	4	206	0	0	10	6	0	2	11	6
3	24	2	9	8	2	15	1	12	7½	1	6	15	7½	5	257	10	0	12	17	6	3	4	4½
3	23	2	9	2½	2	14	1	12	2½	1	5	15	2	6	309	0	0	15	9	0	3	17	3
3	22	2	8	9	2	13	1	11	8½	1	4	14	8½	7	360	10	0	18	0	6	4	10	1½
3	21	2	8	3½	2	12	1	11	3	1	3	14	3	8	412	0	0	20	12	0	5	3	0
3	20	2	7	10	2	11	1	10	9½	1	2	13	9½	9	463	10	0	23	3	6	5	15	10½
3	19	2	7	4½	2	10	1	10	4	1	1	13	4	10	515	0	0	25	15	0	6	8	9
3	18	2	6	11	2	9	1	9	10½	1	0	12	10½	11	566	10	0	28	6	6	7	1	7½
3	17	2	6	5½	2	8	1	9	5	0	27	12	5	12	618	0	0	30	18	0	7	14	6
3	16	2	6	0	2	7	1	8	11½	0	26	11	11½	13	669	10	0	33	9	6	8	7	4½
3	15	2	5	6½	2	6	1	8	6	0	25	11	6	14	721	0	0	36	1	0	9	0	3
3	14	2	5	0½	2	5	1	8	0½	0	24	11	0½	15	772	10	0	38	12	6	9	13	1½
3	13	2	4	7½	2	4	1	7	7	0	23	10	7	16	824	0	0	41	4	0	10	6	0
3	12	2	4	1½	2	3	1	7	1½	0	22	10	1½	17	875	10	0	43	15	6	10	18	10½
3	11	2	3	8	2	2	1	6	8	0	21	9	8	18	927	0	0	46	7	0	11	11	9
3	10	2	3	2½	2	1	1	6	2½	0	20	9	2½	19	978	10	0	48	18	6	12	4	7½
3	9	2	2	9	2	0	1	5	9	0	19	8	9	20	1030	0	0	51	10	0	12	17	6
3	8	2	2	3½	1	27	1	5	3½	0	18	8	3½	21	1081	10	0	54	1	6	13	10	4½
3	7	2	1	10	1	26	1	4	10	0	17	7	10	22	1133	0	0	56	13	0	14	3	3
3	6	2	1	4½	1	25	1	4	4½	0	16	7	4½	23	1184	10	0	59	4	6	14	16	1½
3	5	2	0	11	1	24	1	3	11	0	15	6	10½	24	1236	0	0	61	16	0	15	9	0
3	4	2	0	5½	1	23	1	3	5½	0	14	6	5½	25	1287	10	0	64	7	6	16	1	10½
3	3	2	0	0	1	22	1	3	0	0	13	5	11½	26	1339	0	0	66	19	0	16	14	9
3	2	1	19	6½	1	21	1	2	6½	0	12	5	6½	27	1390	10	0	69	10	6	17	7	7½
3	1	1	19	1	1	20	1	2	1	0	11	5	0½	28	1442	0	0	72	2	0	18	0	6
3	0	1	18	7½	1	19	1	1	7½	0	10	4	7½	29	1493	10	0	74	13	6	18	13	4½
2	27	1	18	2	1	18	1	1	2	0	9	4	1½	30	1545	0	0	77	5	0	19	6	3
2	26	1	17	8½	1	17	1	0	8½	0	8	3	8½	31	1596	10	0	79	16	6	19	19	1½
2	25	1	17	3	1	16	1	0	3	0	7	3	2½	32	1648	0	0	82	8	0	20	12	0
2	24	1	16	9½	1	15	0	19	9½	0	6	2	9½	33	1699	10	0	84	19	6	21	4	10½
2	23	1	16	4	1	14	0	19	3½	0	5	2	3½	34	1751	0	0	87	11	0	21	16	9
2	22	1	15	10½	1	13	0	18	10½	0	4	1	10½	35	1802	10	0	90	2	6	22	9	7½
2	21	1	15	5	1	12	0	18	4½	0	3	1	4½	36	1854	0	0	92	14	0	23	3	6
2	20	1	14	1½	1	11	0	17	11	0	2	0	11	37	1905	10	0	95	5	6	23	16	4½
2	19	1	14	6	1	10	0	17	5½	0	1	0	5½	38	1957	0	0	97	17	0	24	9	3

£52 per ton, £2 12s. per cwt.

Rate per qr. cwt., stone, and lb.

qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.
3	27	2	11	6½	2	18	1	14	4½	1	9	17	2½
3	26	2	11	1	2	17	1	13	11	1	8	16	9
3	25	2	10	7½	2	16	1	13	5½	1	7	16	3½
3	24	2	10	2	2	15	1	12	11½	1	6	15	9½
3	23	2	9	8½	2	14	1	12	6	1	5	15	4
3	22	2	9	3	2	13	1	12	0½	1	4	14	10½
3	21	2	8	9½	2	12	1	11	7	1	3	14	5
3	20	2	8	3½	2	11	1	11	1½	1	2	13	11½
3	19	2	7	10	2	10	1	10	8	1	1	13	5½
3	18	2	7	4½	2	9	1	10	2½	1	0	13	0
3	17	2	6	10½	2	8	1	9	8½	0	27	12	6½
3	16	2	6	5	2	7	1	9	3	0	26	12	1
3	15	2	5	11½	2	6	1	8	9½	0	25	11	7½
3	14	2	5	6	2	5	1	8	4	0	24	11	2
3	13	2	5	0½	2	4	1	7	10½	0	23	10	8½
3	12	2	4	7	2	3	1	7	5	0	22	10	2½
3	11	2	4	1½	2	2	1	6	11½	0	21	9	9
3	10	2	3	7½	2	1	1	6	5½	0	20	9	3½
3	9	2	3	2	2	0	1	6	0	0	19	8	10
3	8	2	2	8½	1	27	1	5	6½	0	18	8	4½
3	7	2	2	3	1	26	1	5	1	0	17	7	11
3	6	2	1	9½	1	25	1	4	7½	0	16	7	5½
3	5	2	1	3½	1	24	1	4	2	0	15	6	11½
3	4	2	0	10	1	23	1	3	8½	0	14	6	6
3	3	2	0	4½	1	22	1	3	3	0	13	6	0½
3	2	1	19	11	1	21	1	2	9½	0	12	5	7
3	1	1	19	5½	1	20	1	2	4	0	11	5	1½
3	0	1	19	0	1	19	1	1	10½	0	10	4	8
2	27	1	18	6½	1	18	1	1	4½	0	9	4	2½
2	26	1	18	1	1	17	1	0	11	0	8	3	8½
2	25	1	17	7½	1	16	1	0	5½	0	7	3	3
2	24	1	17	2	1	15	0	19	11½	0	6	2	9½
2	23	1	16	8½	1	14	0	19	6	0	5	2	4
2	22	1	16	2½	1	13	0	19	0½	0	4	1	10½
2	21	1	15	9	1	12	0	18	7	0	3	1	4½
2	20	1	15	3½	1	11	0	18	1½	0	2	0	11
2	19	1	14	10	1	10	0	17	8	0	1	0	5½

No.	£52 per ton. £	s.	d.	£2 12s. per cwt., bus., day, or yard. £	s.	d.	qr. cwt., peck, ¼ day, ¼ yd., average 13s. £	s.	d.
2	104	0	0	5	4	0	1	6	0
3	156	0	0	7	16	0	1	12	0
4	208	0	0	10	8	0	2	12	0
5	260	0	0	13	0	0	3	5	0
6	312	0	0	15	12	0	3	18	0
7	364	0	0	18	4	0	4	11	0
8	416	0	0	20	16	0	5	4	0
9	468	0	0	23	8	0	5	17	0
10	520	0	0	26	0	0	6	10	0
11	572	0	0	28	12	0	7	3	0
12	624	0	0	31	4	0	7	16	0
13	676	0	0	33	16	0	8	9	0
14	728	0	0	36	8	0	9	2	0
15	780	0	0	39	0	0	9	15	0
16	832	0	0	41	12	0	10	8	0
17	884	0	0	44	4	0	11	1	0
18	936	0	0	46	16	0	11	14	0
19	988	0	0	49	8	0	12	7	0
20	1040	0	0	52	0	0	13	0	0
21	1092	0	0	54	12	0	13	13	0
22	1144	0	0	57	4	0	14	6	0
23	1196	0	0	59	16	0	14	19	0
24	1248	0	0	62	8	0	15	12	0
25	1300	0	0	65	0	0	16	5	0
26	1352	0	0	67	12	0	16	18	0
27	1404	0	0	70	4	0	17	11	0
28	1456	0	0	72	16	0	18	4	0
29	1508	0	0	75	8	0	18	17	0
30	1560	0	0	78	0	0	19	10	0
31	1612	0	0	80	12	0	20	3	0
32	1664	0	0	83	4	0	20	16	0
33	1716	0	0	85	16	0	21	9	0
34	1768	0	0	88	8	0	22	2	0
35	1820	0	0	91	0	0	22	15	0
36	1872	0	0	93	12	0	23	8	0
37	1924	0	0	96	4	0	24	1	0
38	1976	0	0	98	16	0	24	14	0

£52 10s. per ton, £2 12s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£52 10s. per ton.			£2 12s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 13s. 1½d.		
qr.	lb.	£	s.	d.	qr	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.
3	27	2	12	0½	2	18	1	14	8½	1	9	17	4½	2	105	0	0	5	5	0	1	6	3
3	26	2	11	7	2	17	1	14	3	1	8	16	11	3	157	10	0	7	17	6	1	19	4½
3	25	2	11	1½	2	16	1	13	9½	1	7	16	5½	4	210	0	0	10	10	0	2	12	6
3	24	2	10	8	2	15	1	13	3½	1	6	15	11½	5	262	10	0	13	2	6	3	5	7½
3	23	2	10	2½	2	14	1	12	9¾	1	5	15	6	6	315	0	0	15	15	0	3	18	9
3	22	2	9	8½	2	13	1	12	4	1	4	15	0½	7	367	10	0	18	7	6	4	11	10½
3	21	2	9	3	2	12	1	11	10¼	1	3	14	6½	8	420	0	0	21	0	0	5	5	0
3	20	2	8	9½	2	11	1	11	5	1	2	14	1	9	472	10	0	23	12	6	5	18	1½
3	19	2	8	3½	2	10	1	10	11¼	1	1	13	7½	10	525	0	0	26	5	0	6	11	3
3	18	2	7	10	2	9	1	10	4¾	1	0	13	1½	11	577	10	0	28	17	6	7	4	4½
3	17	2	7	4¼	2	8	1	9	11	0	27	12	8	12	630	0	0	31	10	0	7	17	6
3	16	2	6	10½	2	7	1	9	5½	0	26	12	2½	13	682	10	0	34	2	6	8	10	7½
3	15	2	6	5	2	6	1	9	0	0	25	11	8½	14	735	0	0	36	15	0	9	3	9
3	14	2	5	11½	2	5	1	8	6¼	0	24	11	3	15	787	10	0	39	7	6	9	16	10½
3	13	2	5	5½	2	4	1	8	1	0	23	10	9½	16	840	0	0	42	0	0	10	10	0
3	12	2	5	0	2	3	1	7	7½	0	22	10	4	17	892	10	0	44	12	6	11	3	1½
3	11	2	4	6½	2	2	1	7	2	0	21	9	10¼	18	945	0	0	47	5	0	11	16	3
3	10	2	4	1	2	1	1	6	8¾	0	20	9	5	19	997	10	0	49	17	6	12	9	4½
3	9	2	3	7½	2	0	1	6	3	0	19	8	11½	20	1050	0	0	52	10	0	13	2	6
3	8	2	3	1¾	1	27	1	5	9½	0	18	8	5½	21	1102	10	0	55	2	6	13	15	7½
3	7	2	2	8	1	26	1	5	4	0	17	7	11¾	22	1155	0	0	57	15	0	14	8	9
3	6	2	2	2¼	1	25	1	4	10¼	0	16	7	6	23	1207	10	0	60	7	6	15	1	10½
3	5	2	1	9	1	24	1	4	5	0	15	7	0½	24	1260	0	0	63	0	0	15	15	0
3	4	2	1	3½	1	23	1	3	11¾	0	14	6	6¾	25	1312	10	0	65	12	6	16	8	1½
3	3	2	0	10	1	22	1	3	5	0	13	6	1	26	1365	0	0	68	5	0	17	1	3
3	2	2	0	4¼	1	21	1	2	11¼	0	12	5	7½	27	1417	10	0	70	17	6	17	14	4½
3	1	1	19	11	1	20	1	2	5¾	0	11	5	2	28	1470	0	0	73	10	0	18	7	6
3	0	1	19	4¾	1	19	1	2	0¼	0	10	4	8¼	29	1522	10	0	76	2	6	19	0	7½
2	27	1	18	11	1	18	1	1	6¾	0	9	4	2¾	30	1575	0	0	78	15	0	19	13	9
2	26	1	18	5½	1	17	1	1	1¼	0	8	3	9	31	1627	10	0	81	7	6	20	6	10½
2	25	1	18	0	1	16	1	0	7¾	0	7	3	3½	32	1680	0	0	84	0	0	21	0	0
2	24	1	17	6½	1	15	1	0	2¼	0	6	2	10	33	1732	10	0	86	12	6	21	13	1½
2	23	1	17	1	1	14	0	19	8½	0	5	2	4½	34	1785	0	0	89	5	0	22	6	3
2	22	1	16	7½	1	13	0	19	2¾	0	4	1	10¾	35	1837	10	0	91	17	6	22	19	4½
2	21	1	16	1¾	1	12	0	18	9	0	3	1	5	36	1890	0	0	94	10	0	23	12	6
2	20	1	15	8	1	11	0	18	3½	0	2	0	11½	37	1942	10	0	97	2	6	24	5	7½
2	19	1	15	2½	1	10	0	17	10	0	1	0	5½	38	1995	0	0	99	15	0	24	18	9

£53 per ton, £2 13s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£53 per ton.			£2 13s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 13s. 9d.		
qr.	lb.	£	s.	d.	qr.	lb	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	12	6½	2	18	1	15	0	1	9	17	6½	2	106	0	0	5	6	0	1	6	6
3	26	2	12	1	2	17	1	14	6½	1	8	17	0¾	3	157	0	0	7	19	0	1	19	9
3	25	2	11	7½	2	16	1	14	0½	1	7	16	7	4	212	0	0	10	12	0	2	13	0
3	24	2	11	1½	2	15	1	13	7	1	6	16	1¼	5	265	0	0	13	5	0	3	6	3
3	23	2	10	8	2	14	1	13	1¾	1	5	15	7½	6	318	0	0	15	18	0	3	19	6
3	22	2	10	2¾	2	13	1	12	8	1	4	15	2	7	371	0	0	18	11	0	4	12	9
3	21	2	9	8¾	2	12	1	12	2¼	1	3	14	8¼	8	424	0	0	21	4	0	5	6	0
3	20	2	9	3	2	11	1	11	8¾	1	2	14	2½	9	477	0	0	23	17	0	5	19	3
3	19	2	8	9¼	2	10	1	11	2¾	1	1	13	8¾	10	530	0	0	26	10	0	6	12	6
3	18	2	8	3½	2	9	1	10	9	1	0	13	3	11	583	0	0	29	3	0	7	5	9
3	17	2	7	9¾	2	8	1	10	3¼	0	27	12	9½	12	636	0	0	31	16	0	7	19	0
3	16	2	7	4	2	7	1	9	9¼	0	26	12	3¼	13	689	0	0	34	9	0	8	12	3
3	15	2	6	10¼	2	6	1	9	4	0	25	11	10	14	742	0	0	37	2	0	9	5	6
3	14	2	6	4¾	2	5	1	8	10¼	0	24	11	4¼	15	795	0	0	39	15	0	9	18	9
3	13	2	5	10¾	2	4	1	8	4¾	0	23	10	10¾	16	848	0	0	42	8	0	10	12	0
3	12	2	5	5	2	3	1	7	10¾	0	22	10	5	17	901	0	0	45	1	0	11	5	3
3	11	2	4	11¼	2	2	1	7	5	0	21	9	11¼	18	954	0	0	47	14	0	11	18	6
3	10	2	4	5¾	2	1	1	6	11¼	0	20	9	5¾	19	1007	0	0	50	7	0	12	11	9
3	9	2	4	0	2	0	1	6	6	0	19	9	0	20	1060	0	0	53	0	0	13	5	0
3	8	2	3	6¼	1	27	1	6	0¼	0	18	8	6¼	21	1113	0	0	55	13	0	13	18	3
3	7	2	3	0¾	1	26	1	5	6¾	0	17	8	0¾	22	1166	0	0	58	6	0	14	11	6
3	6	2	2	6¾	1	25	1	5	1	0	16	7	7	23	1219	0	0	60	19	0	15	4	9
3	5	2	2	1	1	24	1	4	7¼	0	15	6	1¼	24	1272	0	0	63	12	0	15	18	0
3	4	2	1	7¼	1	23	1	4	1¾	0	14	6	7¾	25	1325	0	0	66	5	0	16	11	3
3	3	2	1	1¾	1	22	1	3	8	0	13	6	2	26	1378	0	0	68	18	0	17	4	6
3	2	2	0	8	1	21	1	3	2¼	0	12	5	8¼	27	1431	0	0	71	11	0	17	17	9
3	1	2	0	2¼	1	20	1	2	8¾	0	11	5	2¾	28	1484	0	0	74	4	0	18	11	0
3	0	1	19	9	1	19	1	2	3	0	10	4	9	29	1537	0	0	76	17	0	19	4	3
2	27	1	19	3¼	1	18	1	1	9¼	0	9	4	3¼	30	1590	0	0	79	10	0	19	17	6
2	26	1	18	9¾	1	17	1	1	3¾	0	8	3	9¾	31	1643	0	0	82	3	0	20	10	9
2	25	1	18	4	1	16	1	0	10	0	7	3	4	32	1696	0	0	84	16	0	21	4	0
2	24	1	17	10¼	1	15	1	0	4¼	0	6	2	10¼	33	1749	0	0	87	9	0	21	17	3
2	23	1	17	4¾	1	14	0	19	10¼	0	5	2	4¼	34	1802	0	0	90	2	0	22	10	6
2	22	1	16	11	1	13	0	19	5	0	4	1	10¾	35	1855	0	0	92	15	0	23	3	9
2	21	1	16	5¼	1	12	0	18	11¼	0	3	1	5	36	1908	0	0	95	8	0	23	17	0
2	20	1	15	11¾	1	11	0	18	5½	0	2	0	11¼	37	1961	0	0	98	1	0	24	10	3
2	19	1	15	5¾	1	10	0	18	0	0	1	0	5¾	38	2014	0	0	100	14	0	25	3	6

£53 16s. per ton, £2 13s. 6d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£53 10s. per ton.			£2 13s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 13s. 4½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	13	0½	2	18	1	15	4	1	9	17	8	2	107	0	0	5	7	0	1	6	9
3	26	2	12	6¾	2	17	1	14	10½	1	8	17	2½	3	160	10	0	8	0	6	2	0	1½
3	25	2	12	1	2	16	1	14	4½	1	7	16	8½	4	214	0	0	10	14	0	2	13	6
3	24	2	11	7½	2	15	1	13	11	1	6	16	2¼	5	267	10	0	13	7	6	3	6	10½
3	23	2	11	1¾	2	14	1	13	5½	1	5	15	9	6	321	0	0	16	1	0	4	0	3
3	22	2	10	7¾	2	13	1	12	11½	1	4	15	3½	7	374	10	0	18	14	6	4	13	7½
3	21	2	10	2	2	12	1	12	5¼	1	3	14	9½	8	428	0	0	21	8	0	5	7	0
3	20	2	9	8½	2	11	1	12	0	1	2	14	3¾	9	481	10	0	24	1	6	6	0	4½
3	19	2	9	2¾	2	10	1	11	6¼	1	1	13	10	10	535	0	0	26	15	0	6	13	9
3	18	2	8	8¼	2	9	1	11	0½	1	0	13	4½	11	588	10	0	29	8	6	7	7	1½
3	17	2	8	3	2	8	1	10	6¾	0	27	12	10¾	12	642	0	0	32	2	0	8	0	6
3	16	2	7	9½	2	7	1	10	1	0	26	12	5	13	695	10	0	34	15	6	8	13	10½
3	15	2	7	3¾	2	6	1	9	7¼	0	25	11	11¼	14	749	0	0	37	9	0	9	7	3
3	14	2	6	9¼	2	5	1	9	1½	0	24	11	5½	15	802	10	0	40	2	6	10	0	7½
3	13	2	6	4	2	4	1	8	7¾	0	23	10	11¼	16	856	0	0	42	16	0	10	14	0
3	12	2	5	10½	2	3	1	8	2	0	22	10	6	17	909	10	0	45	9	6	11	7	4½
3	11	2	5	4¾	2	2	1	7	8¼	0	21	10	0½	18	963	0	0	48	3	0	12	0	9
3	10	2	4	10¼	2	1	1	7	2½	0	20	9	6¾	19	1016	10	0	50	16	6	12	14	1½
3	9	2	4	5	2	0	1	6	9	0	19	9	0¼	20	1070	0	0	53	10	0	13	7	6
3	8	2	3	11¼	1	27	1	6	3½	0	18	8	7	21	1123	10	0	56	3	6	14	0	10½
3	7	2	3	5⅔	1	26	1	5	9¾	0	17	8	1¾	22	1177	0	0	58	17	0	14	14	3
3	6	2	2	11¼	1	25	1	5	3¼	0	16	7	7¼	23	1230	10	0	61	10	6	15	7	7½
3	5	2	2	6	1	24	1	4	10	0	15	7	1¾	24	1284	0	0	64	4	0	16	1	0
3	4	2	2	0¼	1	23	1	4	4¼	0	14	6	8¼	25	1337	10	0	66	17	6	16	14	4½
3	3	2	1	7¾	1	22	1	3	10⅔	0	13	6	2¾	26	1391	0	0	69	11	0	17	7	9
3	2	2	1	1¾	1	21	1	3	4¾	0	12	5	8¾	27	1444	10	0	72	4	6	18	1	1½
3	1	2	0	7	1	20	1	2	11	0	11	5	3	28	1498	0	0	74	18	0	18	14	6
3	0	2	0	1½	1	19	1	2	5¼	0	10	4	9½	29	1551	10	0	77	11	6	19	7	10½
2	27	1	19	7¾	1	18	1	1	11⅔	0	9	4	3¾	30	1605	0	0	80	5	0	20	1	3
2	26	1	19	2	1	17	1	1	5¾	0	8	3	9¼	31	1658	10	0	82	18	6	20	14	7½
2	25	1	18	8¼	1	16	1	1	0	0	7	3	4	32	1712	0	0	85	12	0	21	8	0
2	24	1	18	2½	1	15	1	0	6¼	0	6	2	10½	33	1765	10	0	88	5	6	22	1	4½
2	23	1	17	8¾	1	14	1	0	0¾	0	5	2	4¾	34	1819	0	0	90	19	0	22	14	9
2	22	1	17	3	1	13	0	19	7	0	4	1	10¾	35	1872	10	0	93	12	6	23	8	1½
2	21	1	16	9¼	1	12	0	19	1¼	0	3	1	5	36	1926	0	0	96	6	0	24	1	6
2	20	1	16	3¾	1	11	0	18	7½	0	2	0	11½	37	1979	10	0	98	19	6	24	14	10½
2	19	1	15	9¾	1	10	0	18	1¾	0	1	0	5½	38	2033	0	0	101	13	0	25	8	3

£53 13s. 4d. per ton, £2 13s. 8d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£53 13s. 4d per ton.			£2 13s. 8d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 13s. 5d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.										
3	27	2	13	2¼	2	18	1	15	5¼	1	9	17	8¾	2	107	6	8	5	7	4	1	6	10
3	26	2	12	8½	2	17	1	14	11¾	1	8	17	3	3	161	0	0	8	1	0	2	0	3
3	25	2	12	2¾	2	16	1	14	6	1	7	16	9¼	4	214	13	4	10	14	8	2	13	8
3	24	2	11	9	2	15	1	14	0¼	1	6	16	3½	5	268	6	8	13	8	4	3	7	1
3	23	2	11	3¼	2	14	1	13	6½	1	5	15	9¾	6	322	0	0	16	2	0	4	0	6
3	22	2	10	9½	2	13	1	13	0¾	1	4	15	4	7	375	13	4	18	15	8	4	13	11
3	21	2	10	3¾	2	12	1	12	7	1	3	14	10¼	8	429	6	8	21	9	4	5	7	4
3	20	2	9	10	2	11	1	12	1¼	1	2	14	4½	9	483	0	0	24	3	0	6	0	9
3	19	2	9	4¼	2	10	1	11	7½	1	1	13	10¾	10	536	13	4	26	16	8	6	14	2
3	18	2	8	10½	2	9	1	11	1¾	1	0	13	5	11	590	6	8	29	10	4	7	7	7
3	17	2	8	4¾	2	8	1	10	8	0	27	12	11¼	12	644	0	0	32	4	0	8	1	0
3	16	2	7	11	2	7	1	10	2¼	0	26	12	5½	13	697	13	4	34	17	8	8	14	5
3	15	2	7	5¼	2	6	1	9	8¼	0	25	11	11¾	14	751	6	8	37	11	4	9	7	10
3	14	2	6	11¼	2	5	1	9	2¾	0	24	11	6	15	805	0	0	40	5	0	10	1	3
3	13	2	6	5¾	2	4	1	8	9	0	23	11	0¼	16	858	13	4	42	18	8	10	14	8
3	12	2	6	0	2	3	1	8	3¼	0	22	10	6½	17	912	6	8	45	12	4	11	8	1
3	11	2	5	6½	2	2	1	7	9¾	0	21	10	0¾	18	966	0	0	48	6	0	12	1	6
3	10	2	5	0¼	2	1	1	7	3¾	0	20	9	7	19	1019	13	4	50	19	8	12	14	11
3	9	2	4	6¾	2	0	1	6	10	0	19	9	1½	20	1073	6	8	53	13	4	13	8	4
3	8	2	4	1	1	27	1	6	4¼	0	18	8	7½	21	1127	0	0	56	7	0	14	1	9
3	7	2	3	7½	1	26	1	5	10¾	0	17	8	1¾	22	1180	13	4	59	0	8	14	15	2
3	6	2	3	1¾	1	25	1	5	4¾	0	16	7	8	23	1234	6	8	61	14	4	15	8	7
3	5	2	2	7¾	1	24	1	4	11	0	15	7	2¼	24	1288	0	0	64	8	0	16	2	0
3	4	2	2	2	1	23	1	4	5¼	0	14	6	8½	25	1341	13	4	67	1	8	16	15	5
3	3	2	1	8¼	1	22	1	3	11¾	0	13	6	2¾	26	1395	6	8	69	15	4	17	8	10
3	2	2	1	2¾	1	21	1	3	5¾	0	12	5	9	27	1449	0	0	72	9	0	18	2	3
3	1	2	0	8¾	1	20	1	3	0	0	11	5	3½	28	1502	13	4	75	2	8	18	15	8
3	0	2	0	3	1	19	1	2	6¼	0	10	4	9¾	29	1556	6	8	77	16	4	19	9	1
2	27	1	19	9¼	1	18	1	2	0¾	0	9	4	3¾	30	1610	0	0	80	10	0	20	2	6
2	26	1	19	3¼	1	17	1	1	6¾	0	8	3	10	31	1663	13	4	83	3	8	20	15	11
2	25	1	18	9¾	1	16	1	1	1	0	7	3	4¼	32	1717	6	8	85	17	4	21	9	4
2	24	1	18	4	1	15	1	0	7¼	0	6	2	10¾	33	1771	0	0	88	11	0	22	2	9
2	23	1	17	10¼	1	14	1	0	1¾	0	5	2	4¾	34	1824	13	4	91	4	8	22	16	2
2	22	1	17	4¼	1	13	0	19	7¾	0	4	1	11	35	1878	6	8	93	18	4	23	9	7
2	21	1	16	10¾	1	12	0	19	2	0	3	1	5¼	36	1932	0	0	96	12	0	24	3	0
2	20	1	16	5	1	11	0	18	8¼	0	2	0	11¼	37	1985	13	4	99	5	8	24	16	5
2	19	1	15	11¼	1	10	0	18	2¾	0	1	0	5¾	38	2039	6	8	101	19	4	25	9	10

Note—5¾*d.* per lb.

£54 per ton, £2 14s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£54 per ton.			£2 14s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day ¼ yard, aver. 13s. 6d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	13	6¼	2	18	1	15	8¼	1	9	17	10¼	2	108	0	0	5	8	0	1	7	0
3	26	2	13	0½	2	17	1	15	2½	1	8	17	4½	3	162	0	0	8	2	0	2	0	6
3	25	2	12	6¾	2	16	1	14	8¾	1	7	16	10¾	4	216	0	0	10	16	0	2	14	0
3	24	2	12	1	2	15	1	14	3	1	6	16	5	5	270	0	0	13	10	0	3	7	6
3	23	2	11	7¼	2	14	1	13	9	1	5	15	11¼	6	324	0	0	16	4	0	4	1	0
3	22	2	11	1½	2	13	1	13	3	1	4	15	5½	7	378	0	0	18	18	0	4	14	6
3	21	2	10	7¾	2	12	1	12	9¼	1	3	14	11¾	8	432	0	0	21	12	0	5	8	0
3	20	2	10	2	2	11	1	12	3½	1	2	14	6	9	486	0	0	24	6	0	6	1	6
3	19	2	9	8¼	2	10	1	11	9¾	1	1	14	0	10	540	0	0	27	0	0	6	15	0
3	18	2	9	2½	2	9	1	11	4	1	0	13	6	11	594	0	0	29	14	0	7	8	6
3	17	2	8	8¾	2	8	1	10	10¼	0	27	13	0	12	648	0	0	32	8	0	8	2	0
3	16	2	8	3	2	7	1	10	4½	0	26	12	6½	13	702	0	0	35	2	0	8	15	6
3	15	2	7	9	2	6	1	9	10¾	0	25	12	0½	14	756	0	0	37	16	0	9	9	0
3	14	2	7	3	2	5	1	9	5	0	24	11	6¾	15	810	0	0	40	10	0	10	2	6
3	13	2	6	9½	2	4	1	8	11½	0	23	11	1	16	864	0	0	43	4	0	10	16	0
3	12	2	6	3½	2	3	1	8	5½	0	22	10	7½	17	918	0	0	45	18	0	11	9	6
3	11	2	5	9¼	2	2	1	7	11¾	0	21	10	1½	18	972	0	0	48	12	0	12	3	0
3	10	2	5	4	2	1	1	7	6	0	20	9	7¾	19	1026	0	0	51	6	0	12	16	6
3	9	2	4	10½	2	0	1	7	0	0	19	9	2	20	1080	0	0	54	0	0	13	10	0
3	8	2	4	4½	1	27	1	6	6½	0	18	8	8½	21	1134	0	0	56	14	0	14	3	6
3	7	2	3	10¾	1	26	1	6	0½	0	17	8	2½	22	1188	0	0	59	8	0	14	17	0
3	6	2	3	5	1	25	1	5	6¾	0	16	7	8¾	23	1242	0	0	62	2	0	15	10	6
3	5	2	2	11½	1	24	1	5	1	0	15	7	3	24	1296	0	0	64	16	0	16	4	0
3	4	2	2	5½	1	23	1	4	7¼	0	14	6	9	25	1350	0	0	67	10	0	16	17	6
3	3	2	1	11¾	1	22	1	4	1½	0	13	6	3	26	1404	0	0	70	4	0	17	11	0
3	2	2	1	6	1	21	1	3	7¾	0	12	5	9½	27	1458	0	0	72	18	0	18	4	6
3	1	2	1	0	1	20	1	3	2	0	11	5	3½	28	1512	0	0	75	12	0	18	18	0
3	0	2	0	6	1	19	1	2	8¾	0	10	4	9¾	29	1566	0	0	78	6	0	19	11	6
2	27	2	0	0	1	18	1	2	2½	0	9	4	4	30	1620	0	0	81	0	0	20	5	0
2	26	1	19	6¼	1	17	1	1	8¾	0	8	3	10¼	31	1674	0	0	83	14	0	20	18	6
2	25	1	19	0½	1	16	1	1	3	0	7	3	4½	32	1728	0	0	86	8	0	21	12	0
2	24	1	18	6¾	1	15	1	0	9	0	6	2	10½	33	1782	0	0	89	2	0	22	5	6
2	23	1	18	1	1	14	1	0	3	0	5	2	4½	34	1836	0	0	91	16	0	22	19	0
2	22	1	17	7¼	1	13	0	19	9½	0	4	1	11	35	1890	0	0	94	10	0	23	12	6
2	21	1	17	1½	1	12	0	19	3½	0	3	1	5½	36	1944	0	0	97	4	0	24	6	0
2	20	1	16	7¾	1	11	0	18	9¾	0	2	0	11½	37	1998	0	0	99	18	0	24	19	6
2	19	1	16	2	1	10	0	18	4	0	1	0	5¾	38	2052	0	0	102	12	0	25	13	0

£54 10s. per ton, £2 14s. 6d. per cwt. Rate per qr. cwt., stone, and lb.										No.	£54 10s. per ton.			£2 14s. 6d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yard, ar. 13s. 7½d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	2	14	0½	2	18	1	16	0½	1	9	18	0	2	109	0	0	5	9	0	1	7	3
3	26	2	13	6½	2	17	1	15	6½	1	8	17	6½	3	163	10	0	8	3	6	2	0	10½
3	25	2	13	0¾	2	16	1	15	9½	1	7	17	0½	4	218	0	0	10	18	0	2	14	6
3	24	2	12	7	2	15	1	14	6½	1	6	16	6½	5	272	10	0	13	12	6	3	8	1½
3	23	2	12	1¼	2	14	1	14	0¾	1	5	16	0½	6	327	0	0	16	7	0	4	1	9
3	22	2	11	7½	2	13	1	13	7	1	4	15	6¾	7	381	10	0	19	1	6	4	15	4½
3	20	2	11	1¾	2	12	1	13	1½	1	3	15	1	8	436	0	0	21	16	0	5	9	0
3	21	2	10	8	2	11	1	12	7½	1	2	14	7	9	490	10	0	24	10	6	6	2	7½
3	19	2	10	2	2	10	1	12	1¾	1	1	14	1½	10	545	0	0	27	5	0	6	16	3
3	18	2	9	8	2	9	1	11	7½	1	0	13	7½	11	599	10	0	29	19	6	7	9	10½
3	17	2	9	2	2	8	1	11	1¾	0	27	13	1½	12	654	0	0	32	14	0	8	3	6
3	16	2	8	8	2	7	1	10	8	0	26	12	7¾	13	708	10	0	35	8	6	8	17	1½
3	15	2	7	2	2	6	1	10	2½	0	25	12	2	14	763	0	0	38	3	0	9	10	9
3	14	2	7	8½	2	5	1	9	8½	0	24	11	8½	15	817	10	0	40	17	6	10	4	4½
3	13	2	7	2¾	2	4	1	9	2½	0	23	11	2½	16	872	0	0	43	12	0	10	18	0
3	12	2	6	8¾	2	3	1	8	8½	0	22	10	8½	17	926	10	0	46	6	6	11	11	7½
3	11	2	6	3	2	2	1	8	2¾	0	21	10	2¾	18	981	0	0	49	1	0	12	5	3
3	10	2	5	9¼	2	1	1	7	9	0	20	9	9	19	1035	10	0	51	15	6	12	18	10½
3	9	2	5	3¼	2	0	1	7	3	0	19	9	3	20	1090	0	0	54	10	0	13	12	6
3	8	2	4	9¼	1	27	1	6	9¼	0	18	8	9¼	21	1144	10	0	57	4	6	14	6	1½
3	7	2	4	3¾	1	26	1	6	3¼	0	17	8	3¼	22	1199	0	0	59	19	0	14	19	9
3	6	2	3	9¾	1	25	1	5	9¼	0	16	7	9¼	23	1253	10	0	62	13	6	15	13	4½
3	5	2	3	3¾	1	24	1	5	3¾	0	15	7	3¾	24	1308	0	0	65	8	0	16	7	0
3	4	2	2	10	1	23	1	4	9¾	0	14	6	9¾	25	1362	10	0	68	2	6	17	0	7½
3	3	2	2	4	1	22	1	4	4	0	13	6	4	26	1417	0	0	70	17	0	17	14	3
3	2	2	1	10¼	1	21	1	3	10	0	12	5	10	27	1471	10	0	73	11	6	18	7	10½
3	1	2	1	4¼	1	20	1	3	4¼	0	11	5	4¼	28	1526	0	0	76	6	0	19	1	6
3	0	2	0	10¼	1	19	1	2	10¼	0	10	4	10¼	29	1580	10	0	79	0	6	19	15	1½
2	27	2	0	4¾	1	18	1	2	4¼	0	9	4	4¼	30	1635	0	0	81	15	0	20	8	9
2	26	1	19	11	1	17	1	1	10¾	0	8	3	10¾	31	1689	10	0	84	9	6	21	2	4½
2	25	1	19	5	1	16	1	1	5	0	7	3	5	32	1744	0	0	87	4	0	21	16	0
2	24	1	18	11¼	1	15	1	0	11	0	6	2	11	33	1798	10	0	89	18	6	22	9	7½
2	23	1	18	5¼	1	14	1	0	5¼	0	5	2	5	34	1853	0	0	92	13	0	23	3	3
2	22	1	17	11¼	1	13	0	19	11¼	0	4	1	11¼	35	1907	10	0	95	7	6	23	16	10½
2	21	1	17	5¼	1	12	0	19	5¾	0	3	1	5¼	36	1962	0	0	98	2	0	24	10	6
2	20	1	16	11¾	1	11	0	19	0	0	2	0	11¼	37	2016	10	0	100	16	6	25	4	1½
2	19	1	16	6	1	10	0	18	6	0	1	0	5¾	38	2071	0	0	103	11	0	25	17	9

£56 per ton, £2 16s. per cwt. Rate per qr. cwt., stone, and lb.										No.	£56 per ton.			£2 16s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yd., aver. 14s.		
qr.	lb.	£	s	d	qr.	lb.	£	s.	d.	qr.	lb.	s.	d.		£	s.	d.	£	s.	d.
3	27	2	15	6	2	18	1	17	0	1	9	18	6	2	112	0	0	5	12	0	1	8	0
3	26	2	15	0	2	17	1	16	6	1	8	18	0	3	168	0	0	8	8	0	2	2	0
3	25	2	14	6	2	16	1	16	0	1	7	17	6	4	224	0	0	11	4	0	2	16	0
3	24	2	14	0	2	15	1	15	6	1	6	17	0	5	280	0	0	14	0	0	3	10	0
3	23	2	13	6	2	14	1	15	0	1	5	16	6	6	336	0	0	16	16	0	4	4	0
3	22	2	13	0	2	13	1	14	6	1	4	16	0	7	392	0	0	19	12	0	4	18	0
3	21	2	12	6	2	12	1	14	0	1	3	15	6	8	448	0	0	22	8	0	5	12	0
3	20	2	12	0	2	11	1	13	6	1	2	15	0	9	504	0	0	25	4	0	6	6	0
3	19	2	11	6	2	10	1	13	0	1	1	14	6	10	560	0	0	28	0	0	7	0	0
3	18	2	11	0	2	9	1	12	6	1	0	14	0	11	616	0	0	30	16	0	7	14	0
3	17	2	10	6	2	8	1	12	0	0	27	13	6	12	672	0	0	33	12	0	8	8	0
3	16	2	10	0	2	7	1	11	6	0	26	13	0	13	728	0	0	36	8	0	9	2	0
3	15	2	9	6	2	6	1	11	0	0	25	12	6	14	784	0	0	39	4	0	9	16	0
3	14	2	9	0	2	5	1	10	6	0	24	12	0	15	840	0	0	42	0	0	10	10	0
3	13	2	8	6	2	4	1	10	0	0	23	11	6	16	896	0	0	44	16	0	11	4	0
3	12	2	8	0	2	3	1	9	6	0	22	11	0	17	952	0	0	47	12	0	11	18	0
3	11	2	7	6	2	2	1	9	0	0	21	10	6	18	1008	0	0	50	8	0	12	12	0
3	10	2	7	0	2	1	1	8	6	0	20	10	0	19	1064	0	0	53	4	0	13	6	0
3	9	2	6	6	2	0	1	8	0	0	19	9	6	20	1120	0	0	56	0	0	14	0	0
3	8	2	6	0	1	27	1	7	6	0	18	9	0	21	1176	0	0	58	16	0	14	14	0
3	7	2	5	6	1	26	1	7	0	0	17	8	6	22	1232	0	0	61	12	0	15	8	0
3	6	2	5	0	1	25	1	6	6	0	16	8	0	23	1288	0	0	64	8	0	16	2	0
3	5	2	4	6	1	24	1	6	0	0	15	7	6	24	1344	0	0	67	4	0	16	16	0
3	4	2	4	0	1	23	1	5	6	0	14	7	0	25	1400	0	0	70	0	0	17	10	0
3	3	2	3	6	1	22	1	5	0	0	13	6	6	26	1456	0	0	72	16	0	18	4	0
3	2	2	3	0	1	21	1	4	6	0	12	6	0	27	1512	0	0	75	12	0	18	18	0
2	1	2	2	6	1	20	1	4	0	0	11	5	6	28	1568	0	0	78	8	0	19	12	0
2	0	2	2	0	1	19	1	3	6	0	10	5	0	29	1624	0	0	81	4	0	20	6	0
2	27	2	1	6	1	18	1	3	0	0	9	4	6	30	1680	0	0	84	0	0	21	0	0
2	26	2	1	0	1	17	1	2	6	0	8	4	0	31	1736	0	0	86	16	0	21	14	0
2	25	2	0	6	1	16	1	2	0	0	7	3	6	32	1792	0	0	89	12	0	22	8	0
2	24	2	0	0	1	15	1	1	6	0	6	3	0	33	1848	0	0	92	8	0	23	2	0
2	23	1	19	6	1	14	1	1	0	0	5	2	6	34	1904	0	0	95	4	0	23	16	0
2	22	1	19	0	1	13	1	0	6	0	4	2	0	35	1960	0	0	98	0	0	24	10	0
2	21	1	18	6	1	12	1	0	0	0	3	1	6	36	2016	0	0	100	16	0	25	4	0
2	20	1	18	0	1	11	0	19	6	0	2	1	0	37	2072	0	0	103	12	0	25	18	0
2	19	1	17	6	1	10	0	19	0	0	1	0	6	38	2128	0	0	106	8	0	26	12	0

Note—6d. per lb.

£58 6s.8d. per ton, £2 18s.4d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£58 6s. 8d. per ton.			£2 18s.4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., aver. 14s. 7d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.		£	s.	d.	£	s.	d.
3	27	2	17	9¾	2	18	1	18	6½	1	9	0	19	3¼	2	116	13	4	5	16	8	1	9	2
3	26	2	17	3½	2	17	1	18	0¼	1	8	0	18	9	3	175	0	0	8	15	0	2	3	9
3	25	2	16	9¼	2	16	1	17	6	1	7	0	18	2¾	4	233	6	8	11	13	4	2	18	14
3	24	2	16	3	2	15	1	16	11¾	1	6	0	17	8½	5	291	13	4	14	11	8	3	12	1
3	23	2	15	8¾	2	14	1	16	5½	1	5	0	17	2¼	6	350	0	0	17	10	0	4	7	6
3	22	2	15	2½	2	13	1	15	11¼	1	4	0	16	8	7	408	6	8	20	8	4	5	2	1
3	21	2	14	8¼	2	12	1	15	5	1	3	0	16	1¾	8	466	13	4	23	6	8	5	16	8
3	20	2	14	2	2	11	1	14	10¾	1	2	0	15	7½	9	525	0	0	26	5	0	6	11	3
3	19	2	13	7¾	2	10	1	14	4½	1	1	0	15	1¼	10	583	6	8	29	3	4	7	5	10
3	18	2	13	1½	2	9	1	13	10¼	1	0	0	14	7	11	641	13	4	32	1	8	8	0	5
3	17	2	12	7¼	2	8	1	13	4	0	27	0	14	0¾	12	700	0	0	35	0	0	8	15	0
3	16	2	12	1	2	7	1	12	9¾	0	26	0	13	6¼	13	758	6	8	37	18	4	9	9	7
3	15	2	11	6¾	2	6	1	12	3½	0	25	0	13	0¼	14	816	13	4	40	16	8	10	4	2
3	14	2	11	0½	2	5	1	11	9¼	0	24	0	12	6	15	875	0	0	43	15	0	10	18	9
3	13	2	10	6¼	2	4	1	11	3	0	23	0	11	11¾	16	933	6	8	46	13	4	11	13	4
3	12	2	10	0	2	3	1	10	8¾	0	22	0	11	5½	17	991	13	4	49	11	8	12	7	11
3	11	2	9	5¾	2	2	1	10	2¼	0	21	0	10	11¼	18	1050	0	0	52	10	0	13	2	6
3	10	2	8	11½	2	1	1	9	8¼	0	20	0	10	5	19	1108	6	8	55	8	4	13	17	1
3	9	2	8	5¼	2	0	1	9	2	0	19	0	9	10¾	20	1166	13	4	58	6	8	14	11	8
3	8	2	7	11	1	27	1	8	7¾	0	18	0	9	4½	21	1225	0	0	61	5	0	15	6	3
3	7	2	7	4¾	1	26	1	8	1¼	0	17	0	8	10¼	22	1283	6	8	64	3	4	16	0	10
3	6	2	6	10½	1	25	1	7	7¼	0	16	0	8	4	23	1341	13	4	67	1	8	16	15	5
3	5	2	6	4¼	1	24	1	7	1	0	15	0	7	9¾	24	1400	0	0	70	0	0	17	10	0
3	4	2	5	10	1	23	1	6	6¾	0	14	0	7	3½	25	1458	6	8	72	18	4	18	4	7
3	3	2	5	3¾	1	22	1	6	0¼	0	13	0	6	9¼	26	1516	13	4	75	16	8	18	19	2
3	2	2	4	9½	1	21	1	5	6¼	0	12	0	6	3	27	1575	0	0	78	15	0	19	13	9
3	1	2	4	3¼	1	20	1	5	0	0	11	0	5	8¾	28	1633	6	8	81	13	4	20	8	4
3	0	2	3	9	1	19	1	4	5¾	0	10	0	5	2½	29	1691	13	4	84	11	8	21	2	11
2	27	2	3	2¾	1	18	1	3	11¼	0	9	0	4	8¼	30	1750	0	0	87	10	0	21	17	6
2	26	2	2	8½	1	17	1	3	5¼	0	8	0	4	2	31	1808	6	8	90	8	4	22	12	1
2	25	2	2	2¼	1	16	1	2	11	0	7	0	3	7¾	32	1866	13	4	93	6	8	23	6	8
2	24	2	1	8	1	15	1	2	4¾	0	6	0	3	1½	33	1925	0	0	96	5	0	24	1	3
2	23	2	1	1¾	1	14	1	1	10¼	0	5	0	2	7¼	34	1983	6	8	99	3	4	24	15	10
2	22	2	0	7½	1	13	1	1	4¼	0	4	0	2	1	35	2041	13	4	102	1	8	25	10	5
2	21	2	0	1¼	1	12	1	0	10	0	3	0	1	6¾	36	2100	0	0	105	0	0	26	5	0
2	20	1	19	7	1	11	1	0	3¾	0	2	0	1	0½	37	2158	6	8	107	18	4	26	19	7
2	19	1	19	0¾	1	10	0	19	9¼	0	1	0	0	6¼	38	2216	13	4	110	16	8	27	14	2

Note—6¼d. per lb.

£65 6s. 8d. per ton, £3 5s. 4d. per cwt. — Rate per qr. cwt., stone, and lb.													No.	£65 6s. 8d. per ton.			£3 5s. 4d. per cwt. bush, day, or yard.			qr. cwt., peck, ½ day, ½ yard, aver. 10s. 4d.		
qr.	lb	£	s.	d.	qr.	lb	£	s.	d.	qr.	lb.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	3	4	9	2	18	2	3	2	1	91	1	1	7	2	130	13	4	6	10	8	1	12	4
3	26	3	4	2	2	17	2	2	7	1	81	1	0	3	3	196	0	0	9	16	0	2	9	0
3	25	3	3	7	2	16	2	2	0	1	71	0	5	4	261	6	8	13	1	4	3	5	4	
3	24	3	3	0	2	15	2	1	5	1	60	19	10	5	326	13	4	16	6	8	4	1		
3	23	3	2	5	2	14	2	0	10	1	50	19	3	6	392	0	0	19	12	0	4	18	0	
3	22	3	1	10	2	13	2	0	3	1	40	18	8	7	457	6	8	22	17	4	5	14	4	
3	21	3	1	3	2	12	1	19	8	1	30	18	1	8	522	13	4	26	2	8	6	10		
3	20	3	0	8	2	11	1	19	1	1	20	17	6	9	588	0	0	29	8	0	7	7	0	
3	19	3	0	1	2	10	1	18	6	1	10	16	11	10	653	6	8	32	13	4	8	3	4	
3	18	2	19	6	2	9	1	17	11	1	00	16	4	11	718	13	4	35	18	8	8	19	8	
3	17	2	18	11	2	8	1	17	4	0	27	0	15	9	12	784	0	0	39	4	0	9	16	0
3	16	2	18	4	2	7	1	16	9	0	26	0	15	2	13	849	6	8	42	9	4	10	12	4
3	15	2	17	9	2	6	1	16	2	0	25	0	14	7	14	914	13	4	45	14	8	11	8	
3	14	2	17	2	2	5	1	15	7	0	24	0	14	0	15	980	0	0	49	0	0	12	5	0
3	13	2	16	7	2	4	1	15	0	0	23	0	13	5	16	1045	6	8	52	5	4	13	1	4
3	12	2	16	0	2	3	1	14	5	0	22	0	12	10	17	1110	13	4	55	10	8	13	17	
3	11	2	15	5	2	2	1	13	10	0	21	0	12	3	18	1176	0	0	58	16	0	14	14	0
3	10	2	14	10	2	1	1	13	3	0	20	0	11	8	19	1241	6	8	62	1	4	15	10	4
3	9	2	14	3	2	0	1	12	8	0	19	0	11	1	20	1306	13	4	65	6	8	16	6	
3	8	2	13	8	1	27	1	12	1	0	18	0	10	6	21	1372	0	0	68	12	0	17	3	0
3	7	2	13	1	1	26	1	11	6	0	17	0	9	11	22	1437	6	8	71	17	4	17	19	4
3	6	2	12	6	1	25	1	10	11	0	16	0	9	4	23	1502	13	4	75	2	8	18	15	
3	5	2	11	11	1	24	1	10	4	0	15	0	8	9	24	1568	0	0	78	8	0	19	12	0
3	4	2	11	4	1	23	1	9	9	0	14	0	8	2	25	1633	6	8	81	13	4	20	8	4
3	3	2	10	9	1	22	1	9	2	0	13	0	7	7	26	1698	13	4	84	18	8	21	4	8
3	2	2	10	2	1	21	1	8	7	0	12	0	7	0	27	1764	0	0	88	4	0	22	1	0
3	1	2	9	7	1	20	1	8	0	0	11	0	6	5	28	1829	6	8	91	9	4	22	17	4
3	0	2	9	0	1	19	1	7	5	0	10	0	5	10	29	1894	13	4	94	14	8	23	13	
2	27	2	8	5	1	18	1	6	10	0	9	0	5	3	30	1960	0	0	98	0	0	24	10	0
2	26	2	7	10	1	17	1	6	3	0	8	0	4	8	31	2025	6	8	101	5	4	25	6	4
2	25	2	7	3	1	16	1	5	8	0	7	0	4	1	32	2090	13	4	104	10	8	26	2	
2	24	2	6	8	1	15	1	5	1	0	6	0	3	6	33	2156	0	0	107	15	0	26	19	0
2	23	2	6	1	1	14	1	4	6	0	5	0	2	11	34	2221	6	8	111	1	4	27	15	4
2	22	2	5	6	1	13	1	3	11	0	4	0	2	4	35	2286	13	4	114	6	8	28	11	
2	21	2	4	11	1	12	1	3	4	0	3	0	1	9	36	2352	0	0	117	12	4	29	8	0
2	20	2	4	4	1	11	1	2	9	0	2	0	1	2	37	2417	6	8	120	17	0	30	4	4
2	19	2	3	9	1	10	1	2	2	0	1	0	0	7	38	2482	13	4	124	2	8	31	0	

Note—7*d.* per lb.

£63 per ton, £3 3s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£63 per ton.			£3 3s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day. ¼ yard, average 15s. 9d.		
r.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	3	2	5½	2	18	2	1	7½	1	9	1	0	9¾	2	126	0	0	6	6	0	1	11	6
3	26	3	1	10½	2	17	2	1	0¾	1	8	1	0	3	3	189	0	0	9	9	0	2	7	3
3	25	3	1	3¾	2	16	2	0	6	1	7	0	19	8½	4	252	0	0	12	12	0	3	3	0
3	24	3	0	9	2	15	1	19	11½	1	6	0	19	1½	5	315	0	0	15	15	0	3	18	9
3	23	3	0	2½	2	14	1	19	4½	1	5	0	18	6¾	6	378	0	0	18	18	0	4	14	6
3	22	2	19	7½	2	13	1	18	9¾	1	4	0	18	0	7	441	0	0	22	1	0	5	10	3
3	21	2	19	0¾	2	12	1	18	3	1	3	0	17	5½	8	504	0	0	25	4	0	6	6	0
3	20	2	18	6	2	11	1	17	8½	1	2	0	16	10½	9	567	0	0	28	7	0	7	1	9
3	19	2	17	11½	2	10	1	17	1½	1	1	0	16	3¾	10	630	0	0	31	10	0	7	17	6
3	18	2	17	4½	2	9	1	16	6¾	1	0	0	15	9	11	693	0	0	34	13	0	8	13	3
3	17	2	16	9¾	2	8	1	16	0	0	27	0	15	2¼	12	756	0	0	37	16	0	9	9	0
3	16	2	16	3	2	7	1	15	5¼	0	26	0	14	7½	13	819	0	0	40	19	0	10	4	9
3	15	2	15	8¼	2	6	1	14	10½	0	25	0	14	0¾	14	882	0	0	44	2	0	11	0	6
3	14	2	15	1½	2	5	1	14	3¾	0	24	0	13	6	15	945	0	0	47	5	0	11	16	3
3	13	2	14	6¾	2	4	1	13	9	0	23	0	12	11¼	16	1008	0	0	50	8	0	12	12	0
3	12	2	14	0	2	3	1	13	2¼	0	22	0	12	4½	17	1071	0	0	53	11	0	13	7	9
3	11	2	13	5¼	2	2	1	12	7½	0	21	0	11	9¾	18	1134	0	0	56	14	0	14	3	6
3	10	2	12	10½	2	1	1	12	0¾	0	20	0	11	3	19	1197	0	0	59	17	0	14	19	3
3	9	2	12	3¾	2	0	1	11	6	0	19	0	10	8¼	20	1260	0	0	63	0	0	15	15	0
3	8	2	11	9	1	27	1	10	11¼	0	18	0	10	1½	21	1323	0	0	66	3	0	16	10	9
3	7	2	11	2¼	1	26	1	10	4½	0	17	0	9	6¾	22	1386	0	0	69	6	0	17	6	6
3	6	2	10	7½	1	25	1	9	9¾	0	16	0	9	0	23	1449	0	0	72	9	0	18	2	3
3	5	2	10	0¾	1	24	1	9	3	0	15	0	8	5¼	24	1512	0	0	75	12	0	18	18	0
3	4	2	9	6	1	23	1	8	8¼	0	14	0	7	10½	25	1575	0	0	78	15	0	19	13	9
3	3	2	8	11½	1	22	1	8	1½	0	13	0	7	3¾	26	1638	0	0	81	18	0	20	9	6
3	2	2	8	4½	1	21	1	7	6¾	0	12	0	6	9	27	1701	0	0	85	1	0	21	5	3
3	1	2	7	9¾	1	20	1	7	0	0	11	0	6	2¼	28	1764	0	0	88	4	0	22	1	0
3	0	2	7	3	1	19	1	6	5¼	0	10	0	5	7½	29	1827	0	0	91	7	0	22	16	9
2	27	2	6	8¼	1	18	1	5	10⅜	0	9	0	5	0¾	30	1890	0	0	94	10	0	23	12	6
2	26	2	6	1½	1	17	1	5	3¾	0	8	0	4	6	31	1953	0	0	97	13	0	24	8	3
2	25	2	5	6¾	1	16	1	4	9	0	7	0	3	11¼	32	2016	0	0	100	16	0	25	4	0
2	24	2	5	0	1	15	1	4	2¼	0	6	0	3	4½	33	2079	0	0	103	19	0	25	19	9
2	23	2	4	5¼	1	14	1	3	7½	0	5	0	2	9¾	34	2142	0	0	107	2	0	26	15	6
2	22	2	3	10½	1	13	1	3	0¾	0	4	0	2	3	35	2205	0	0	110	5	0	27	11	3
2	21	2	3	3¾	1	12	1	2	6	0	3	0	1	8¼	36	2268	0	0	113	8	0	28	7	0
2	20	2	2	9	1	11	1	1	11¼	0	2	0	1	1½	37	2331	0	0	116	11	0	29	2	9
2	19	2	2	2¼	1	10	1	1	4⅜	0	1	0	0	6¾	38	2394	0	0	119	14	0	29	18	6

Note—6¾*d.* per lb.

£65 6s. 8d. per ton, £3 5s. 4d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£65 6s. 8d. per ton.			£3 5s. 4d. per cwt. bush, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, aver. 16s. 4d.		
qr.	lb.	£	s.	d.	qr.	lb	£	s.	d.	qr.	lb.	£	s.	d.		£	s.	d.	£	s.	d.
3	27	3	4	9	2	18	2	3	2	1	9	1	1	7	2	130	13	4	6	10	8	1	12	8
3	26	3	4	2	2	17	2	2	7	1	8	1	1	0	3	196	0	0	9	16	0	2	9	0
3	25	3	3	7	2	16	2	2	0	1	7	1	0	5	4	261	6	8	13	1	4	3	5	4
3	24	3	3	0	2	15	2	1	5	1	6	0	19	10	5	326	13	4	16	6	8	4	1	8
3	23	3	2	5	2	14	2	0	10	1	5	0	19	3	6	392	0	0	19	12	0	4	18	0
3	22	3	1	10	2	13	2	0	3	1	4	0	18	8	7	457	6	8	22	17	4	5	14	4
3	21	3	1	3	2	12	1	19	8	1	3	0	18	1	8	522	13	4	26	2	8	6	10	8
3	20	3	0	8	2	11	1	19	1	1	2	0	17	6	9	588	0	0	29	8	0	7	7	0
3	19	3	0	1	2	10	1	18	6	1	1	0	16	11	10	653	6	8	32	13	4	8	3	4
3	18	2	19	6	2	9	1	17	11	1	0	0	16	4	11	718	13	4	35	18	8	8	19	8
3	17	2	18	11	2	8	1	17	4	0	27	0	15	9	12	784	0	0	39	4	0	9	16	0
3	16	2	18	4	2	7	1	16	9	0	26	0	15	2	13	849	6	8	42	9	4	10	12	4
3	15	2	17	9	2	6	1	16	2	0	25	0	14	7	14	914	13	4	45	14	8	11	8	8
3	14	2	17	2	2	5	1	15	7	0	24	0	14	0	15	980	0	0	49	0	0	12	5	0
3	13	2	16	7	2	4	1	15	0	0	23	0	13	5	16	1045	6	8	52	5	4	13	1	4
3	12	2	16	0	2	3	1	14	5	0	22	0	12	10	17	1110	13	4	55	10	8	13	17	8
3	11	2	15	5	2	2	1	13	10	0	21	0	12	3	18	1176	0	0	58	16	0	14	14	0
3	10	2	14	10	2	1	1	13	3	0	20	0	11	8	19	1241	6	8	62	1	4	15	10	4
3	9	2	14	3	2	0	1	12	8	0	19	0	11	1	20	1306	13	4	65	6	8	16	6	8
3	8	2	13	8	1	27	1	12	1	0	18	0	10	6	21	1372	0	0	68	12	0	17	3	0
3	7	2	13	1	1	26	1	11	6	0	17	0	9	11	22	1437	6	8	71	17	4	17	19	4
3	6	2	12	6	1	25	1	10	11	0	16	0	9	4	23	1502	13	4	75	2	8	18	15	8
3	5	2	11	11	1	24	1	10	4	0	15	0	8	9	24	1568	0	0	78	8	0	19	12	0
3	4	2	11	4	1	23	1	9	9	0	14	0	8	2	25	1633	6	8	81	13	4	20	8	4
3	3	2	10	9	1	22	1	9	2	0	13	0	7	7	26	1698	13	4	84	18	8	21	4	8
3	2	2	10	2	1	21	1	8	7	0	12	0	7	0	27	1764	0	0	88	4	0	22	1	0
3	1	2	9	7	1	20	1	8	0	0	11	0	6	5	28	1829	6	8	91	9	4	22	17	4
3	0	2	9	0	1	19	1	7	5	0	10	0	5	10	29	1894	13	4	94	14	8	23	13	8
2	27	2	8	5	1	18	1	6	10	0	9	0	5	3	30	1960	0	0	98	0	0	24	10	0
2	26	2	7	10	1	17	1	6	3	0	8	0	4	8	31	2025	6	8	101	5	4	25	6	4
2	25	2	7	3	1	16	1	5	8	0	7	0	4	1	32	2090	13	4	104	10	8	26	2	8
2	24	2	6	8	1	15	1	5	1	0	6	0	3	6	33	2156	0	0	107	15	0	26	19	0
2	23	2	6	1	1	14	1	4	6	0	5	0	2	11	34	2221	6	8	111	1	4	27	15	4
2	22	2	5	6	1	13	1	3	11	0	4	0	2	4	35	2286	13	4	114	6	8	28	11	8
2	21	2	4	11	1	12	1	3	4	0	3	0	1	9	36	2352	0	0	117	12	4	29	8	0
2	20	2	4	4	1	11	1	2	9	0	2	0	1	2	37	2417	6	8	120	17	0	30	4	4
2	19	2	3	9	1	10	1	2	2	0	1	0	0	7	38	2482	13	4	124	2	8	31	0	8

Note—7*d.* per lb.

£67 13*s.* 4*d.* per ton, £3 7*s.* 8*d.* per cwt. — Rate per qr. cwt., stone, and lb.											No.	£67 13*s.*4*d* per ton.			£3 7*s.* 8*d.* per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 16*s.* 11*d.*		
qr.	lb	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.		£	s.	d.	£	s.	d.
3	27	3	7	0¾	2	18	2	4	8¼	1	9	1	2	4½	2	135	6	8	6	15	4	1	13	10
3	26	3	6	5½	2	17	2	4	1¼	1	8	1	1	9	3	203	0	0	10	3	0	2	10	9
3	25	3	5	10¼	2	16	2	3	6	1	7	1	1	1¾	4	270	13	4	13	10	8	3	7	8
3	24	3	5	3	2	15	2	2	10¾	1	6	1	0	6½	5	338	6	8	16	18	4	4	4	7
3	23	3	4	7¾	2	14	2	2	3½	1	5	0	19	11¼	6	406	0	0	20	6	0	5	1	6
3	22	3	4	0¼	2	13	2	1	8¼	1	4	0	19	4	7	473	13	4	23	13	8	5	18	5
3	21	3	3	5¼	2	12	2	1	1	1	3	0	18	8¾	8	541	6	8	27	1	4	6	15	4
3	20	3	2	10	2	11	2	0	5¾	1	2	0	18	1½	9	609	0	0	30	9	0	7	12	3
3	19	3	2	2¾	2	10	1	19	10¼	1	1	0	17	6¼	10	676	13	4	33	16	8	8	9	2
3	18	3	1	7½	2	9	1	19	3¼	1	0	0	16	11	11	744	6	9	37	4	4	9	6	1
3	17	3	1	0¼	2	8	1	18	8	0	27	0	16	3¾	12	812	0	0	40	12	0	10	3	0
3	16	3	0	5	2	7	1	18	0¾	0	26	0	15	8½	13	879	13	4	43	19	8	10	19	11
3	15	2	19	9¾	2	6	1	17	5½	0	25	0	15	1¼	14	947	6	8	47	7	4	11	16	10
3	14	2	19	2½	2	5	1	16	10¼	0	24	0	14	6	15	1015	0	0	50	15	0	12	13	9
3	13	2	18	7¼	2	4	1	16	3	0	23	0	13	10¾	16	1082	13	4	54	2	8	13	10	8
3	12	2	18	0	2	3	1	15	7¾	0	22	0	13	3½	17	1150	6	8	57	10	4	14	7	7
3	11	2	17	4¾	2	2	1	15	0¼	0	21	0	12	8¼	18	1218	0	0	60	18	0	15	4	6
3	10	2	16	9½	2	1	1	14	5½	0	20	0	12	1	19	1285	13	4	64	5	8	16	1	5
3	9	2	16	2¼	2	0	1	13	10	0	19	0	11	5¾	20	1353	6	8	67	13	4	16	18	4
3	8	2	15	7	1	27	1	13	2¾	0	18	0	10	10¼	21	1421	0	0	71	1	0	17	15	3
3	7	2	14	11¾	1	26	1	12	7¼	0	17	0	10	3½	22	1488	13	4	74	8	8	18	12	2
3	6	2	14	4½	1	25	1	12	0¼	0	16	0	9	8	23	1556	6	8	77	16	4	19	9	1
3	5	2	13	9¼	1	24	1	11	5	0	15	0	9	0¾	24	1624	0	0	81	4	0	20	6	0
3	4	2	13	2	1	23	1	10	9¾	0	14	0	8	5½	25	1691	13	4	84	11	8	21	2	11
3	3	2	12	6¾	1	22	1	10	2½	0	13	0	7	10¼	26	1759	6	8	87	19	4	21	19	10
3	2	2	11	11¼	1	21	1	9	7¼	0	12	0	7	3	27	1827	0	0	91	7	0	22	16	9
3	1	2	11	4½	1	20	1	9	0	0	11	0	6	7¾	28	1894	13	4	94	14	8	23	13	8
3	0	2	10	9	1	19	1	8	4¾	0	10	0	6	0½	29	1962	6	8	98	2	4	24	10	7
2	27	2	10	1¾	1	18	1	7	9½	0	9	0	5	5¼	30	2030	0	0	101	10	0	25	7	6
2	26	2	9	6½	1	17	1	7	2¼	0	8	0	4	10	31	2097	13	4	104	17	8	26	4	5
2	25	2	8	11¼	1	16	1	6	7	0	7	0	4	2¾	32	2165	6	8	108	5	4	27	1	4
2	24	2	8	4	1	15	1	5	11¾	0	6	0	3	7½	33	2233	0	0	111	13	0	27	18	3
2	23	2	7	8¾	1	14	1	5	4½	0	5	0	3	0½	34	2300	13	4	115	0	8	28	15	2
2	22	2	7	1½	1	13	1	4	9¼	0	4	0	2	5	35	2368	6	8	118	8	4	29	12	1
2	21	2	6	6¼	1	12	1	4	2	0	3	0	1	9¾	36	2436	0	0	121	16	0	30	9	0
2	20	2	5	11	1	11	1	3	6¾	0	2	0	1	2½	37	2503	13	4	125	3	8	31	5	11
2	19	2	5	3¾	1	10	1	2	11¼	0	1	0	0	7¼	38	2571	6	8	128	11	4	32	2	10

Note—7¼*d.* per lb.

£70 per ton, £3 10s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£70 per ton.			£3 10s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., aver. 17s. 6d.		
qr.	lb	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.		£	s.	d.	£	s.	d.
3	27	3	9	4½	2	18	2	6	3	1	9	1	3	1½	2	140	0	0	7	0	0	1	15	0
3	26	3	8	9	2	17	2	5	7½	1	8	1	2	6	3	210	0	0	10	10	0	2	12	6
3	25	3	8	1½	2	16	2	5	0	1	7	1	1	10½	4	280	0	0	14	0	0	3	10	0
3	24	3	7	6	2	15	2	4	4½	1	6	1	1	3	5	350	0	0	17	10	0	4	7	6
3	23	3	6	10½	2	14	2	3	9	1	5	1	0	7½	6	420	0	0	21	0	0	5	5	0
3	22	3	6	3	2	13	2	3	1½	1	4	1	0	0	7	490	0	0	24	10	0	6	2	6
3	21	3	5	7½	2	12	2	2	6	1	3	0	19	4½	8	560	0	0	28	0	0	7	0	0
3	20	3	5	0	2	11	2	1	10½	1	2	0	18	9	9	630	0	0	31	10	0	7	17	6
3	19	3	4	4½	2	10	2	1	3	1	1	0	18	1½	10	700	0	0	35	0	0	8	15	0
3	18	3	3	9	2	9	2	0	7½	1	0	0	17	6	11	770	0	0	38	10	0	9	12	6
3	17	3	3	1½	2	8	2	0	0	0	27	0	16	10½	12	840	0	0	42	0	0	10	10	0
3	16	3	2	6	2	7	1	19	4½	0	26	0	16	3	13	910	0	0	45	10	0	11	7	6
3	15	3	1	10½	2	6	1	18	9	0	25	0	15	7½	14	980	0	0	49	0	0	12	5	0
3	14	3	1	3	2	5	1	18	1½	0	24	0	15	0	15	1050	0	0	52	10	0	13	2	6
3	13	3	0	7½	2	4	1	17	6	0	23	0	14	4½	16	1120	0	0	56	0	0	14	0	0
3	12	3	0	0	2	3	1	16	10½	0	22	0	13	9	17	1190	0	0	59	10	0	14	17	6
3	11	2	19	4½	2	2	1	16	3	0	21	0	13	1½	18	1260	0	0	63	0	0	15	15	0
3	10	2	18	9	2	1	1	15	7½	0	20	0	12	6	19	1330	0	0	66	10	0	16	12	6
3	9	2	18	1½	2	0	1	15	0	0	19	0	11	10½	20	1400	0	0	70	0	0	17	10	0
3	8	2	17	6	1	27	1	14	4½	0	18	0	11	3	21	1470	0	0	73	10	0	18	7	6
3	7	2	16	10½	1	26	1	13	9	0	17	0	10	7½	22	1540	0	0	77	0	0	19	5	0
3	6	2	16	3	1	25	1	13	1½	0	16	0	10	0	23	1610	0	0	80	10	0	20	2	6
3	5	2	15	7½	1	24	1	12	6	0	15	0	9	4½	24	1680	0	0	84	0	0	21	0	0
3	4	2	15	0	1	23	1	11	10½	0	14	0	8	9	25	1750	0	0	87	10	0	21	17	6
3	3	2	14	4½	1	22	1	11	3	0	13	0	8	1½	26	1820	0	0	91	0	0	22	15	0
3	2	2	13	9	1	21	1	10	7½	0	12	0	7	6	27	1890	0	0	94	10	0	23	12	6
3	1	2	13	1½	1	20	1	10	0	0	11	0	6	10½	28	1960	0	0	98	0	0	24	10	0
3	0	2	12	6	1	19	1	9	4½	0	10	0	6	3	29	2030	0	0	101	10	0	25	7	6
2	27	2	11	10½	1	18	1	8	9	0	9	0	5	7½	30	2100	0	0	105	0	0	26	5	0
2	26	2	11	3	1	17	1	8	1½	0	8	0	5	0	31	2170	0	0	108	10	0	27	2	6
2	25	2	10	7½	1	16	1	7	6	0	7	0	4	4½	32	2240	0	0	112	0	0	28	0	0
2	24	2	10	0	1	15	1	6	10½	0	6	0	3	9	33	2310	0	0	115	10	0	28	17	6
2	23	2	9	4½	1	14	1	6	3	0	5	0	3	1½	34	2380	0	0	119	0	0	29	15	0
2	22	2	8	9	1	13	1	5	7½	0	4	0	2	6	35	2450	0	0	122	10	0	30	12	6
2	21	2	8	1½	1	12	1	5	0	0	3	0	1	10½	36	2520	0	0	126	0	0	31	10	0
2	20	2	7	6	1	11	1	4	4½	0	2	0	1	3	37	2590	0	0	129	10	0	32	7	6
2	19	2	6	10½	1	10	1	3	9	0	1	0	0	7½	38	2660	0	0	133	0	0	33	5	0

Note—7½*d.* per lb.

£77 per ton, £3 17s. per cwt. — Rate per qr. cwt., stone, and lb.												No.	£77 per ton.			£3 17s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day ¼ yard, aver. 19s. 3d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	3	16	3¾	2	18	2	10	10½	1	9	1	5	5¼	2	154	0	0	7	14	0	1	18	6
3	26	3	15	7½	2	17	2	10	2¼	1	8	1	4	9	3	231	0	0	11	11	0	2	17	9
3	25	3	14	11¼	2	16	2	9	6	1	7	1	4	0¾	4	308	0	0	15	8	0	3	17	0
3	24	3	14	3	2	15	2	8	9¾	1	6	1	3	4½	5	385	0	0	19	5	0	4	16	3
3	23	3	13	6¾	2	14	2	8	1½	1	5	1	2	8¼	6	462	0	0	23	2	0	5	15	6
3	22	3	12	10½	2	13	2	7	5¼	1	4	1	2	0	7	539	0	0	26	19	0	6	14	9
3	21	3	11	2¼	2	12	2	6	9	1	3	1	1	3¾	8	616	0	0	30	16	0	7	14	0
3	20	3	10	6	2	11	2	6	0¾	1	2	1	0	7¼	9	693	0	0	34	13	0	8	13	3
3	19	3	9	9¾	2	10	2	5	4½	1	1	0	19	11¼	10	770	0	0	38	10	0	9	12	6
3	18	3	9	1½	2	9	2	4	8¼	1	0	0	19	3	11	847	0	0	42	7	0	10	11	9
3	17	3	8	5¼	2	8	2	4	0	0	27	0	18	6¾	12	924	0	0	46	4	0	11	11	0
3	16	3	7	9	2	7	2	3	3¾	0	26	0	17	10½	13	1001	0	0	50	1	0	12	10	3
3	15	3	7	0¾	2	6	2	2	7½	0	25	0	17	2¼	14	1078	0	0	53	18	0	13	9	6
3	14	3	7	4½	2	5	2	1	11¼	0	24	0	16	6	15	1155	0	0	57	15	0	14	8	9
3	13	3	6	8¼	2	4	2	1	3	0	23	0	15	9¾	16	1232	0	0	61	12	0	15	8	0
3	12	3	6	0	2	3	2	0	6¾	0	22	6	15	1½	17	1309	0	0	65	9	0	16	7	3
3	11	3	5	3¾	2	2	1	19	10½	0	21	0	14	5¼	18	1386	0	0	69	6	0	17	6	6
3	10	3	4	7½	2	1	1	19	2¼	0	20	0	13	9	19	1463	0	0	73	3	0	18	5	9
3	9	3	3	11¼	2	0	1	18	6	0	19	0	13	0¾	20	1540	0	0	77	0	0	19	5	0
3	8	3	3	3	1	27	1	17	9¾	0	18	0	12	4½	21	1617	0	0	80	17	0	20	4	3
3	7	3	2	6¾	1	26	1	17	1½	0	17	0	11	8¼	22	1694	0	0	84	14	0	21	3	6
3	6	3	1	10½	1	25	1	16	5¼	0	16	0	11	0	23	1771	0	0	88	11	0	22	2	9
3	5	3	1	2¼	1	24	1	15	9	0	15	0	10	3¾	24	1848	0	0	92	8	0	23	2	0
3	4	3	0	6	1	23	1	15	0¾	0	14	0	9	7½	25	1925	0	0	96	5	0	24	1	3
3	3	2	19	9¾	1	22	1	14	4½	0	13	0	8	11¼	26	2002	0	0	100	2	0	25	0	6
3	2	2	19	1½	1	21	1	13	8¼	0	12	0	8	3	27	2079	0	0	103	19	0	25	19	9
3	1	2	18	5¼	1	20	1	13	0	0	11	0	7	6¾	28	2156	0	0	107	16	0	26	19	0
3	0	2	17	9	1	19	1	12	3¾	0	10	0	6	10½	29	2233	0	0	111	13	0	27	18	3
2	27	2	17	0¾	1	18	1	11	7½	0	9	0	6	2¼	30	2310	0	0	115	10	0	28	17	6
2	26	2	16	4½	1	17	1	10	11¼	0	8	0	5	6	31	2387	0	0	119	7	0	29	16	9
2	25	2	15	8¼	1	16	1	10	3	0	7	0	4	9¾	32	2464	0	0	123	4	0	30	16	0
2	24	2	15	0	1	15	1	9	6¾	0	6	0	4	1½	33	2541	0	0	127	1	0	31	15	3
2	23	2	14	3¾	1	14	1	8	10½	0	5	0	3	5¼	34	2618	0	0	130	18	0	32	14	6
2	22	2	13	7½	1	13	1	8	2¼	0	4	0	2	9	35	2695	0	0	134	15	0	33	13	9
2	21	2	12	11¼	1	12	1	7	6	0	3	0	2	0¾	36	2772	0	0	138	12	0	34	13	0
2	20	2	12	3	1	11	1	6	9¾	0	2	0	1	4½	37	2849	0	0	142	9	0	35	12	3
2	19	2	11	6¾	1	10	1	6	1½	0	1	0	0	8¼	38	2926	0	0	146	6	0	36	11	6

Note—8¼*d.* per lb.

£74 13s. 4d. per ton, £3 14s. 8d. per cwt. Rate per qr. cwt., stone, and lb.										No.	£74 13s. 4d per ton.			£3 14s. 8d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard., aver. 18s. 8d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	3	14	0	2	18	2	9	4	1	9	1	4	8	2	149	6	8	7	9	4	1	17	4
3	26	3	13	4	2	17	2	8	8	1	8	1	4	0	3	224	0	0	11	4	0	2	16	0
3	25	3	12	8	2	16	2	8	0	1	7	1	3	4	4	298	13	4	14	18	8	3	14	8
3	24	3	12	0	2	15	2	7	4	1	6	1	2	8	5	373	6	8	18	13	4	4	13	4
3	23	3	11	4	2	14	2	6	8	1	5	1	2	0	6	448	0	0	22	8	0	5	12	0
3	22	3	10	8	2	13	2	6	0	1	4	1	1	4	7	522	13	4	26	2	8	6	10	8
3	21	3	10	0	2	12	2	5	4	1	3	1	0	8	8	597	6	8	29	17	4	7	9	4
3	20	3	9	4	2	11	2	4	8	1	2	1	0	0	9	672	0	0	33	12	0	8	8	0
3	19	3	8	8	2	10	2	4	0	1	1	0	19	4	10	746	13	4	37	6	8	9	6	8
3	18	3	8	0	2	9	2	3	4	1	0	0	18	8	11	821	6	8	41	1	4	10	5	4
3	17	3	7	4	2	8	2	2	8	0	27	0	18	0	12	896	0	0	44	16	0	11	4	0
3	16	3	6	8	2	7	2	2	0	0	26	0	17	4	13	970	13	4	48	10	8	12	2	8
3	15	3	6	0	2	6	2	1	4	0	25	0	16	8	14	1045	6	8	52	5	4	13	1	4
3	14	3	5	4	2	5	2	0	8	0	24	0	16	0	15	1120	0	0	56	0	0	14	0	0
3	13	3	4	8	2	4	2	0	0	0	23	0	15	4	16	1194	13	4	59	14	8	14	18	8
3	12	3	4	0	2	3	1	19	4	0	22	0	14	8	17	1269	6	8	63	9	4	15	17	4
3	11	3	3	4	2	2	1	18	8	0	21	0	14	0	18	1344	0	0	67	4	0	16	16	0
3	10	3	2	8	2	1	1	18	0	0	20	0	13	4	19	1418	13	4	70	18	8	17	14	8
3	9	3	2	0	2	0	1	17	4	0	19	0	12	8	20	1493	6	8	74	13	4	18	13	4
3	8	3	1	4	1	27	1	16	8	0	18	0	12	0	21	1568	0	0	78	8	0	19	12	0
3	7	3	0	8	1	26	1	16	0	0	17	0	11	4	22	1642	13	4	82	2	8	20	10	8
3	6	3	0	0	1	25	1	15	4	0	16	0	10	8	23	1717	6	8	85	17	4	21	9	4
3	5	2	19	4	1	24	1	14	8	0	15	0	10	0	24	1792	0	0	89	12	0	22	8	0
3	4	2	18	8	1	23	1	14	0	0	14	0	9	4	25	1866	13	4	93	6	8	23	6	8
3	3	2	18	0	1	22	1	13	4	0	13	0	8	8	26	1941	6	8	97	1	4	24	5	4
3	2	2	17	4	1	21	1	12	8	0	12	0	8	0	27	2016	0	0	100	16	0	25	4	0
3	1	2	16	8	1	20	1	12	0	0	11	0	7	4	28	2090	13	4	104	10	8	26	2	8
3	0	2	16	0	1	19	1	11	4	0	10	0	6	8	29	2165	6	8	108	5	4	27	1	4
2	27	2	15	4	1	18	1	10	8	0	9	0	6	0	30	2240	0	0	112	0	0	28	0	0
2	26	2	14	8	1	17	1	10	0	0	8	0	5	4	31	2314	13	4	115	14	8	28	18	8
2	25	2	14	0	1	16	1	9	4	0	7	0	4	8	32	2389	6	8	119	9	4	29	17	4
2	24	2	13	4	1	15	1	8	8	0	6	0	4	0	33	2464	0	0	123	4	0	30	16	0
2	23	2	12	8	1	14	1	8	0	0	5	0	3	4	34	2538	13	4	126	18	8	31	14	8
2	22	2	12	0	1	13	1	7	4	0	4	0	2	8	35	2613	6	8	130	13	4	32	13	4
2	21	2	11	4	1	12	1	6	8	0	3	0	2	0	36	2688	0	0	134	8	0	33	12	0
2	20	2	10	8	1	11	1	6	0	0	2	0	1	4	37	2762	13	4	138	2	8	34	10	8
2	19	2	10	0	1	10	1	5	4	0	1	0	0	8	38	2837	6	8	141	17	4	35	9	4

Note—8*d.* per lb.

£77 per ton, £3 17*s.* per cwt. — Rate per qr. cwt., stone, and lb.											No.	£77 per ton.			£3 17*s.* per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day ¼ yard, aver. 19*s.* 3*d.*		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	3	16	3¾	2	18	2	10	10½	1	9	1	5	5¼	2	154	0	0	7	14	0	1	18	6
3	26	3	15	7½	2	17	2	10	2¼	1	8	1	4	9	3	231	0	0	11	11	0	2	17	9
3	25	3	14	11¼	2	16	2	9	6	1	7	1	4	0¾	4	308	0	0	15	8	0	3	17	0
3	24	3	14	3	2	15	2	8	9¾	1	6	1	3	4½	5	385	0	0	19	5	0	4	16	3
3	23	3	13	6¾	2	14	2	8	1½	1	5	1	2	8¼	6	462	0	0	23	2	0	5	15	6
3	22	3	12	10½	2	13	2	7	5¼	1	4	1	2	0	7	539	0	0	26	19	0	6	14	9
3	21	3	11	2¼	2	12	2	6	9	1	3	1	1	3¾	8	616	0	0	30	16	0	7	14	0
3	20	3	10	6	2	11	2	6	0¾	1	2	1	0	7½	9	693	0	0	34	13	0	8	13	3
3	19	3	9	9¾	2	10	2	5	4½	1	1	0	19	11¼	10	770	0	0	38	10	0	9	12	6
3	18	3	9	1½	2	9	2	4	8¼	1	0	0	19	3	11	847	0	0	42	7	0	10	11	9
3	17	3	8	5¼	2	8	2	4	0	0	27	0	18	6¾	12	924	0	0	46	4	0	11	11	0
3	16	3	7	9	2	7	2	3	3¾	0	26	0	17	10½	13	1001	0	0	50	1	0	12	10	3
3	15	3	7	0¾	2	6	2	2	7½	0	25	0	17	2¼	14	1078	0	0	53	18	0	13	9	6
3	14	3	7	4½	2	5	2	1	11¼	0	24	0	16	6	15	1155	0	0	57	15	0	14	8	9
3	13	3	6	8¼	2	4	2	1	3	0	23	0	15	9¾	16	1232	0	0	61	12	0	15	8	0
3	12	3	6	0	2	3	2	0	6¾	0	22	6	15	1½	17	1309	0	0	65	9	0	16	7	3
3	11	3	5	3¾	2	2	1	19	10½	0	21	0	14	5¼	18	1386	0	0	69	6	0	17	6	6
3	10	3	4	7½	2	1	1	19	2¼	0	20	0	13	9	19	1463	0	0	73	3	0	18	5	9
3	9	3	3	11¼	2	0	1	18	6	0	19	0	13	0¾	20	1540	0	0	77	0	0	19	5	0
3	8	3	3	3	1	27	1	17	9¾	0	18	0	12	4½	21	1617	0	0	80	17	0	20	4	3
3	7	3	2	6¾	1	26	1	17	1½	0	17	0	11	8¼	22	1694	0	0	84	14	0	21	3	6
3	6	3	1	10½	1	25	1	16	5¼	0	16	0	11	0	23	1771	0	0	88	11	0	22	2	9
3	5	3	1	2¼	1	24	1	15	9	0	15	0	10	3¾	24	1848	0	0	92	8	0	23	2	0
3	4	3	0	6	1	23	1	15	0¾	0	14	0	9	7½	25	1925	0	0	96	5	0	24	1	3
3	3	2	19	9¾	1	22	1	14	4½	0	13	0	8	11¼	26	2002	0	0	100	2	0	25	0	6
3	2	2	19	1½	1	21	1	13	8¼	0	12	0	8	3	27	2079	0	0	103	19	0	25	19	9
3	1	2	18	5¼	1	20	1	13	0	0	11	0	7	6¾	28	2156	0	0	107	16	0	26	19	0
3	0	2	17	9	1	19	1	12	3¾	0	10	0	6	10½	29	2233	0	0	111	13	0	27	18	3
2	27	2	17	0¾	1	18	1	11	7½	0	9	0	6	2¼	30	2310	0	0	115	10	0	28	17	6
2	26	2	16	4½	1	17	1	10	11¼	0	8	0	5	6	31	2387	0	0	119	7	0	29	16	9
2	25	2	15	8¼	1	16	1	10	3	0	7	0	4	9¾	32	2464	0	0	123	4	0	30	16	0
2	24	2	15	0	1	15	1	9	6¾	0	6	0	4	1½	33	2541	0	0	127	1	0	31	15	3
2	23	2	14	3¾	1	14	1	8	10½	0	5	0	3	5¼	34	2618	0	0	130	18	0	32	14	6
2	22	2	13	7½	1	13	1	8	2¼	0	4	0	2	9	35	2695	0	0	134	15	0	33	13	9
2	21	2	12	11¼	1	12	1	7	6	0	3	0	2	0¾	36	2772	0	0	138	12	0	34	13	0
2	20	2	12	3	1	11	1	6	9¾	0	2	0	1	4½	37	2849	0	0	142	9	0	35	12	3
2	19	2	11	6¾	1	10	1	6	1½	0	1	0	0	8¼	38	2926	0	0	146	6	0	36	11	6

Note—8¼*d.* per lb.

£79 6s. 8d. per ton, £3 19s. 4d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£79 6s. 8d. per ton.			£3 19s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. 19s. 10d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	3	18	7½	2	18	2	12	5	1	9	1	6	2½	2	158	13	4	7	18	8	1	19	8
3	26	3	17	11	2	17	2	11	8½	1	8	1	5	6	3	238	0	0	11	18	0	2	19	6
3	25	3	17	2½	2	16	2	11	0	1	7	1	4	9½	4	317	6	8	15	17	4	3	19	4
3	24	3	16	6	2	15	2	10	3½	1	6	1	4	1	5	396	13	4	19	16	8	4	19	2
3	23	3	15	9½	2	14	2	9	7	1	5	1	3	4½	6	476	0	0	23	16	0	5	19	0
3	22	3	14	1	2	13	2	8	10½	1	4	1	2	8	7	555	6	8	27	15	4	6	18	10
3	21	3	13	3½	2	12	2	8	2	1	3	1	1	11½	8	634	13	4	31	14	8	7	18	8
3	20	3	12	8	2	11	2	7	5½	1	2	1	1	3	9	714	0	0	35	14	0	8	18	6
3	19	3	11	11½	2	10	2	6	9	1	1	1	0	6½	10	793	6	8	39	13	4	9	18	4
3	18	3	11	3	2	9	2	6	0½	1	0	0	19	10	11	872	13	4	43	12	8	10	18	2
3	17	3	10	6½	2	8	2	5	4	0	27	0	19	1½	12	952	0	0	47	12	0	11	18	0
3	16	3	9	10	2	7	2	4	7½	0	26	0	18	5	13	1031	6	8	51	11	4	12	17	10
3	15	3	9	1½	2	6	2	3	11	0	25	0	17	8½	14	1110	13	4	55	10	8	13	17	8
3	14	3	9	5	2	5	2	3	2½	0	24	0	17	0	15	1190	0	0	59	10	0	14	17	6
3	13	3	8	8½	2	4	2	2	6	0	23	0	16	3½	16	1269	6	8	63	9	4	15	17	4
3	12	3	8	0	2	3	2	1	9½	0	22	0	15	7	17	1348	13	4	67	8	8	16	17	2
3	11	3	7	3½	2	2	2	1	1	0	21	0	14	10½	18	1428	0	0	71	8	0	17	17	0
3	10	3	6	7	2	1	2	0	4½	0	20	0	14	2	19	1507	6	8	75	7	4	18	16	10
3	9	3	5	10½	2	0	1	19	8	0	19	0	13	5½	20	1586	13	4	79	6	8	19	16	8
3	8	3	5	2	1	27	1	18	11½	0	18	0	12	9	21	1666	0	0	83	6	0	20	16	6
3	7	3	4	5½	1	26	1	18	3	0	17	0	12	0½	22	1745	6	8	87	5	4	21	16	4
3	6	3	3	9	1	25	1	17	6½	0	16	0	11	4	23	1824	13	4	91	4	8	22	16	2
3	5	3	3	0½	1	24	1	16	10	0	15	0	10	7½	24	1904	0	0	95	4	0	23	16	0
3	4	3	2	4	1	23	1	16	1½	0	14	0	9	11	25	1983	6	8	99	3	4	24	15	10
3	3	3	1	7½	1	22	1	15	5	0	13	0	9	2½	26	2062	13	4	103	2	8	25	15	8
3	2	3	0	11	1	21	1	14	8½	0	12	0	8	6	27	2142	0	0	107	2	0	26	15	6
3	1	3	0	2½	1	20	1	14	0	0	11	0	7	9½	28	2221	6	8	111	1	4	27	15	4
3	0	2	19	6	1	19	1	13	3½	0	10	0	7	1	29	2300	13	4	115	0	8	28	15	2
2	27	2	18	9½	1	18	1	12	7	0	9	0	6	4½	30	2380	0	0	119	0	0	29	15	0
2	26	2	18	1	1	17	1	11	10½	0	8	0	5	8	31	2459	6	8	122	19	4	30	14	10
2	25	2	17	4½	1	16	1	11	2	0	7	0	4	11½	32	2538	13	4	126	18	8	31	14	8
2	24	2	16	8	1	15	1	10	5½	0	6	0	4	3	33	2618	0	0	130	18	0	32	14	6
2	23	2	15	11½	1	14	1	9	9	0	5	0	3	6½	34	2697	6	8	134	17	4	33	14	4
2	22	2	15	3	1	13	1	9	0½	0	4	0	2	10	35	2776	13	4	138	16	8	34	14	2
2	21	2	14	6½	1	12	1	8	4	0	3	0	2	1½	36	2856	0	0	142	16	0	35	14	0
2	20	2	13	10	1	11	1	7	7½	0	2	0	1	5	37	2935	6	8	146	15	4	36	13	10
2	19	2	13	1½	1	10	1	6	11	0	1	0	0	8½	38	3014	13	4	150	14	8	37	13	8

Note—8½*d.* per lb.

£81 13s. 4d. per ton, £4 1s. 8d. per cwt. Rate per qr. cwt., stone, and lb.											No.	£81 13s.4d per ton.			£4 1s.8d. per cwt, bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yard, av. £1 0s. 5d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	4	0	11½	2	18	2	13	11½	1	9	1	6	11½	2	163	6	8	8	3	4	2	0	10
3	26	4	0	2½	2	17	2	13	2½	1	8	1	6	3	3	245	0	0	12	5	0	3	1	3
3	25	3	19	5½	2	16	2	12	6	1	7	1	5	6½	4	326	13	4	16	6	8	4	1	8
3	24	3	18	9	2	15	2	11	9½	1	6	1	4	9½	5	408	6	8	20	8	4	5	2	1
3	23	3	18	0½	2	14	2	11	0½	1	5	1	4	0½	6	490	0	0	24	10	0	6	2	6
3	22	3	17	3½	2	13	2	10	3½	1	4	1	3	4	7	571	13	4	28	11	8	7	2	11
3	21	3	16	6½	2	12	2	9	7	1	3	1	2	7½	8	653	6	8	32	13	4	8	3	4
3	20	3	15	10	2	11	2	8	10½	1	2	1	1	10½	9	735	0	0	36	15	0	9	3	9
3	19	3	15	1½	2	10	2	8	1½	1	1	1	1	1½	10	816	13	4	40	16	8	10	4	2
3	18	3	14	4½	2	9	2	7	4½	1	0	1	0	5	11	898	6	8	44	18	4	11	4	7
3	17	3	13	7½	2	8	2	6	8	0	27	0	19	8½	12	980	0	0	49	0	0	12	5	0
3	16	3	12	11	2	7	2	5	11½	0	26	0	18	11½	13	1061	13	4	53	1	8	13	5	5
3	15	3	12	2½	2	6	2	5	2½	0	25	0	18	2½	14	1143	6	8	57	3	4	14	5	10
3	14	3	11	5½	2	5	2	4	5½	0	24	0	17	6	15	1225	0	0	61	5	0	15	6	3
3	13	3	10	8½	2	4	2	3	9	0	23	0	16	9½	16	1306	13	4	65	6	8	16	6	8
3	12	3	10	0	2	3	2	3	0½	0	22	0	16	0½	17	1388	6	8	69	8	4	17	7	1
3	11	3	9	3½	2	2	2	2	3½	0	21	0	15	3½	18	1470	0	0	73	10	0	18	7	6
3	10	3	8	6½	2	1	2	1	6½	0	20	0	14	7	19	1551	13	4	77	11	8	19	7	11
3	9	3	7	9½	2	0	2	0	10	0	19	0	13	10½	20	1633	6	8	81	13	4	20	8	4
3	8	3	7	1	1	27	2	0	1½	0	18	0	13	1½	21	1715	0	0	85	15	0	21	8	9
3	7	3	6	4½	1	26	1	19	4½	0	17	0	12	4½	22	1796	13	4	89	16	8	22	9	2
3	6	3	5	7½	1	25	1	18	7½	0	16	0	11	8	23	1878	6	8	93	18	4	23	9	7
3	5	3	4	10½	1	24	1	17	11	0	15	0	10	11½	24	1960	0	0	98	0	0	24	10	0
3	4	3	4	2	1	23	1	17	2½	0	14	0	10	2½	25	2041	13	4	102	1	8	25	10	5
3	3	3	3	5½	1	22	1	16	5½	0	13	0	9	5½	26	2123	6	8	106	3	4	26	10	10
3	2	3	2	8½	1	21	1	15	8½	0	12	0	8	9	27	2205	0	0	110	5	0	27	11	3
3	1	3	1	11½	1	20	1	15	0	0	11	0	8	0½	28	2286	13	4	114	6	8	28	11	8
3	0	3	1	3	1	19	1	14	3½	0	10	0	7	3½	29	2368	6	8	118	8	4	29	12	1
2	27	3	0	6½	1	18	1	13	6½	0	9	0	6	6½	30	2450	0	0	122	10	0	30	12	6
2	26	2	19	9½	1	17	1	12	9½	0	8	0	5	10	31	2531	13	4	126	11	8	31	12	11
2	25	2	19	0½	1	16	1	12	1	0	7	0	5	1½	32	2613	6	8	130	13	4	32	13	4
2	24	2	18	4	1	15	1	11	4½	0	6	0	4	4½	33	2695	0	0	134	15	0	33	13	9
2	23	2	17	7½	1	14	1	10	7½	0	5	0	3	7½	34	2776	13	4	138	16	8	34	14	2
2	22	2	16	10½	1	13	1	9	10½	0	4	0	2	11	35	2858	6	8	142	18	4	35	14	7
2	21	2	16	1½	1	12	1	9	2	0	3	0	2	2½	36	2940	0	0	147	0	0	36	15	0
2	20	2	15	5	1	11	1	8	5½	0	2	0	1	5½	37	3021	13	4	151	1	8	37	15	5
2	19	2	14	8½	1	10	1	7	8½	0	1	0	0	8½	38	3103	6	8	155	3	4	38	15	10

Note—8½*d.* per lb.

£84 per ton, £4 4s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£84 per ton.			£4 4s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., aver. £1 1s.		
qr.	lb.	£	s.	d.	qr.	£	s.	d.	qr.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	4	3	3	2	18	2	15	6	1	9	1	7	9	2	168	0	0	8	8	0	2	2	0
3	26	4	2	6	2	17	2	14	9	1	8	1	7	0	3	252	0	0	12	12	0	3	3	0
3	25	4	1	9	2	16	2	14	0	1	7	1	6	3	4	336	0	0	16	16	0	4	4	0
3	24	4	1	0	2	15	2	13	3	1	6	1	5	6	5	420	0	0	21	0	0	5	5	0
3	23	4	0	3	2	14	2	12	6	1	5	1	4	9	6	504	0	0	25	4	0	6	6	0
3	22	3	19	6	2	13	2	11	9	1	4	1	4	0	7	588	0	0	29	8	0	7	7	0
3	21	3	18	9	2	12	2	11	0	1	3	1	3	3	8	672	0	0	33	12	0	8	8	0
3	20	3	18	0	2	11	2	10	3	1	2	1	2	6	9	756	0	0	37	16	0	9	9	0
3	19	3	17	3	2	10	2	9	6	1	1	1	1	9	10	840	0	0	42	0	0	10	10	0
3	18	3	16	6	2	9	2	8	9	1	0	1	1	0	11	924	0	0	46	4	0	11	11	0
3	17	3	15	9	2	8	2	8	0	0	27	1	0	3	12	1008	0	0	50	8	0	12	12	0
3	16	3	15	0	2	7	2	7	3	0	26	0	19	6	13	1092	0	0	54	12	0	13	13	0
3	15	3	14	3	2	6	2	6	6	0	25	0	18	9	14	1176	0	0	58	16	0	14	14	0
3	14	3	13	6	2	5	2	5	9	0	24	0	18	0	15	1260	0	0	63	0	0	15	15	0
3	13	3	12	9	2	4	2	5	0	0	23	0	17	3	16	1344	0	0	67	4	0	16	16	0
3	12	3	12	0	2	3	2	4	3	0	22	0	16	6	17	1428	0	0	71	8	0	17	17	0
3	11	3	11	3	2	2	2	3	6	0	21	0	15	9	18	1512	0	0	75	12	0	18	18	0
3	10	3	10	6	2	1	2	2	9	0	20	0	15	0	19	1596	0	0	79	16	0	19	19	0
3	9	3	9	9	2	0	2	2	0	0	19	0	14	3	20	1680	0	0	84	0	0	21	0	0
3	8	3	9	0	1	27	2	1	3	0	18	0	13	6	21	1764	0	0	88	4	0	22	1	0
3	7	3	8	3	1	26	2	0	6	0	17	0	12	9	22	1848	0	0	92	8	0	23	2	0
3	6	3	7	6	1	25	1	19	9	0	16	0	12	0	23	1932	0	0	96	12	0	24	3	0
3	5	3	6	9	1	24	1	19	0	0	15	0	11	3	24	2016	0	0	100	16	0	25	4	0
3	4	3	6	0	1	23	1	18	3	0	14	0	10	6	25	2100	0	0	105	0	0	26	5	0
3	3	3	5	3	1	22	1	17	6	0	13	0	9	9	26	2184	0	0	109	4	0	27	6	0
3	2	3	4	6	1	21	1	16	9	0	12	0	9	0	27	2268	0	0	113	8	0	28	7	0
2	1	3	3	9	1	20	1	16	0	0	11	0	8	3	28	2352	0	0	117	12	0	29	8	0
2	0	3	3	0	1	19	1	15	3	0	10	0	7	6	29	2436	0	0	121	16	0	30	9	0
2	27	3	2	3	1	18	1	14	6	0	9	0	6	9	30	2520	0	0	126	0	0	31	10	0
2	26	3	1	6	1	17	1	13	9	0	8	0	6	0	31	2604	0	0	130	4	0	32	11	0
2	25	3	0	9	1	16	1	13	0	0	7	0	5	3	32	2688	0	0	134	8	0	33	12	0
2	24	3	0	0	1	15	1	12	3	0	6	0	4	6	33	2772	0	0	138	12	0	34	13	0
2	23	2	19	3	1	14	1	11	6	0	5	0	3	9	34	2856	0	0	142	16	0	35	14	0
2	22	2	18	6	1	13	1	10	9	0	4	0	3	0	35	2940	0	0	147	0	0	36	15	0
2	21	2	17	9	1	12	1	10	0	0	3	0	2	3	36	3024	0	0	151	4	0	37	16	0
2	20	2	17	0	1	11	1	9	3	0	2	0	1	6	37	3108	0	0	155	8	0	38	17	0
2	19	2	16	3	1	10	1	8	6	0	1	0	0	9	38	3192	0	0	159	12	0	39	18	0

Note—9d. per lb.

£86 6s. 8d. per ton, £4 6s. 4d. per cwt. Rate per qr. cwt., stone, and lb.											No.	£86 6s. 8d. per ton.			£4 6s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. £1 1s. 7d		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	£	s.	d.	£	s.	d.
3	27	4	5	6¾	2	18	2	17	0½	1	9	1	8	6½	2	172	13	4	8	12	8	2	3	2
3	26	4	4	9½	2	17	2	16	3½	1	8	1	7	9	3	259	0	0	12	19	0	3	4	9
3	25	4	4	0½	2	16	2	15	6	1	7	1	6	11¾	4	345	6	8	17	5	4	4	6	4
3	24	4	3	3	2	15	2	14	8¾	1	6	1	6	2½	5	431	13	4	21	11	8	5	7	11
3	23	4	2	5¾	2	14	2	13	11¼	1	5	1	5	5¼	6	518	0	0	25	18	0	6	9	6
3	22	4	1	8½	2	13	2	13	2¼	1	4	1	4	8	7	604	6	8	30	4	4	7	11	1
3	21	4	0	11¼	2	12	2	12	5	1	3	1	3	10¾	8	690	13	4	34	10	8	8	12	8
3	20	4	0	2	2	11	2	11	7¾	1	2	1	3	1¼	9	777	0	0	38	17	0	9	14	3
3	19	3	19	4¾	2	10	2	10	10½	1	1	1	2	4¼	10	863	6	8	43	3	4	10	15	10
3	18	3	18	1½	2	9	2	10	1¼	1	0	1	1	7	11	949	13	4	47	9	8	11	17	5
3	17	3	17	10½	2	8	2	9	4	0	27	1	0	9¾	12	1036	0	0	51	16	0	12	19	0
3	16	3	17	1	2	7	2	8	6¾	0	26	1	0	0½	13	1122	6	8	56	2	4	14	0	7
3	15	3	16	3¾	2	6	2	7	9½	0	25	0	19	3¼	14	1208	13	4	60	8	8	15	2	2
3	14	3	15	6½	2	5	2	7	0¼	0	24	0	18	6	15	1295	0	0	64	15	0	16	3	9
3	13	3	14	9½	2	4	2	6	3	0	23	0	17	8¾	16	1381	6	8	69	1	4	17	5	4
3	12	3	14	0	2	3	2	5	5¾	0	22	0	16	11¼	17	1467	13	4	73	7	8	18	6	11
3	11	3	13	2¾	2	2	2	4	8½	0	21	0	16	2½	18	1554	0	0	77	14	0	19	8	6
3	10	3	12	5½	2	1	2	3	11¼	0	20	0	15	5	19	1640	6	8	82	0	4	20	10	1
3	9	3	11	8½	2	0	2	3	2	0	19	0	14	7¾	20	1726	13	4	86	6	8	21	11	8
3	8	3	10	11	1	27	2	2	4¾	0	18	0	13	10½	21	1813	0	0	90	13	0	22	13	3
3	7	3	10	1¾	1	26	2	1	7½	0	17	0	13	1¼	22	1899	6	8	94	19	4	23	14	10
3	6	3	9	4½	1	25	2	0	10¼	0	16	0	12	4	23	1985	13	4	99	5	8	24	16	5
3	5	3	8	7½	1	24	2	0	1	0	15	0	11	6¾	24	2072	0	0	103	12	0	25	18	0
3	4	3	7	10	1	23	1	19	3¾	0	14	0	10	9½	25	2158	6	8	107	18	4	26	19	7
3	3	3	7	0¾	1	22	1	18	6½	0	13	0	10	0¼	26	2244	13	4	112	4	8	28	1	2
3	2	3	6	3½	1	21	1	17	9¼	0	12	0	9	3	27	2331	0	0	116	11	0	29	2	9
3	1	3	5	6½	1	20	1	17	0	0	11	0	8	5¾	28	2417	6	8	120	17	4	30	4	4
3	0	3	4	9	1	19	1	16	2¾	0	10	0	7	8½	29	2503	13	4	125	3	8	31	5	11
2	27	3	3	11¾	1	18	1	15	5½	0	9	0	6	11¼	30	2590	0	0	129	10	0	32	7	6
2	26	3	3	2½	1	17	1	14	8¼	0	8	0	6	2	31	2676	6	8	133	16	4	33	9	1
2	25	3	2	5¼	1	16	1	13	11	0	7	0	5	4¾	32	2762	13	4	138	2	8	34	10	8
2	24	3	1	8	1	15	1	13	1¾	0	6	0	4	7½	33	2849	0	0	142	9	0	35	12	3
2	23	3	0	10¾	1	14	1	12	4½	0	5	0	3	10¼	34	2935	6	8	146	15	4	36	13	10
2	22	3	0	1½	1	13	1	11	7¼	0	4	0	3	1	35	3021	13	4	151	1	8	37	15	5
2	21	2	19	4¼	1	12	1	10	10	0	3	0	2	3¾	36	3108	0	0	155	8	0	38	17	0
2	20	2	18	7	1	11	1	10	0¾	0	2	0	1	6½	37	3194	6	8	159	14	4	39	18	7
2	19	2	17	9¾	1	10	1	9	3½	0	1	0	0	9¼	38	3280	13	4	164	0	8	41	0	2

Note—9¼*d.* per lb.

£88 13s. 4d. per ton, £4 8s. 8d. per cwt. — Rate per qr. cwt., stone, and lb.													No.	£88 13s4d per ton.	£4 8s. 8d. per cwt., bushel, day, or yard.		qr. cwt., peck, ¼ day, ¼ yard, av. £1 2s. 2d.		
qr.	lb.	£	s.	d.	qr.	£	s.	d.	qr.	£	s.	d.		£ s. d.	£	s.	d.	£	s.	d.
3	27	4	7	10½	2	18	2	18	7	1	9	1	2	177 6 8	8	17	4	2	4	4
3	26	4	7	1	2	17	2	17	9½	1	8	1	8	6	3	266	0	0	13	6	0	3	6	6
3	25	4	6	3½	2	16	2	17	0	1	7	1	7	8½	4	354	13	4	17	14	8	4	8	8
3	24	4	5	6	2	15	2	16	2½	1	6	1	6	11	5	443	6	8	22	3	4	5	10	10
3	23	4	4	8½	2	14	2	15	5	1	5	1	6	1½	6	532	0	0	26	12	0	6	13	0
3	22	4	3	11	2	13	2	14	7½	1	4	1	5	4	7	620	13	4	31	0	8	7	15	2
3	21	4	3	1½	2	12	2	13	10	1	3	1	4	6½	8	709	6	8	35	9	4	8	17	4
3	20	4	2	4	2	11	2	13	0½	1	2	1	3	9	9	798	0	0	39	18	0	9	19	6
3	19	4	1	6½	2	10	2	12	3	1	1	1	2	11½	10	886	13	4	44	6	8	11	1	8
3	18	4	0	9	2	9	2	11	5½	1	0	1	2	2	11	975	6	8	48	15	4	12	3	10
3	17	3	19	11½	2	8	2	10	8	0	27	1	1	4½	12	1064	0	0	53	4	0	13	6	0
3	16	3	19	2	2	7	2	9	10½	0	26	1	0	7	13	1152	13	4	57	12	8	14	8	2
3	15	3	18	4½	2	6	2	9	1	0	25	0	19	9½	14	1241	6	8	62	1	4	15	10	4
3	14	3	17	7	2	5	2	8	3½	0	24	0	19	0	15	1330	0	0	66	10	0	16	12	6
3	13	3	16	9½	2	4	2	7	6	0	23	0	18	2½	16	1418	13	4	70	18	8	17	14	8
3	12	3	16	0	2	3	2	6	8½	0	22	0	17	5	17	1507	6	8	75	7	4	18	16	10
3	11	3	15	2½	2	2	2	5	11	0	21	0	16	7½	18	1596	0	0	79	16	0	19	19	0
3	10	3	14	5	2	1	2	5	1½	0	20	0	15	10	19	1684	13	4	84	4	8	21	1	2
3	9	3	13	7½	2	0	2	4	4	0	19	0	15	0½	20	1773	6	8	88	13	4	22	3	4
3	8	3	12	10	1	27	2	3	6½	0	18	0	14	3	21	1862	0	0	93	2	0	23	5	6
3	7	3	12	0½	1	26	2	2	9	0	17	0	13	5½	22	1950	13	4	97	10	8	24	7	8
3	6	3	11	3	1	25	2	1	11½	0	16	0	12	8	23	2039	6	8	101	19	4	25	9	10
3	5	3	10	5½	1	24	2	1	2	0	15	0	11	10½	24	2128	0	0	106	8	0	26	12	0
3	4	3	9	8	1	23	2	0	4½	0	14	0	11	1	25	2216	13	4	110	16	8	27	14	2
3	3	3	8	10½	1	22	1	19	7	0	13	0	10	3½	26	2305	6	8	115	5	4	28	16	4
3	2	3	8	1	1	21	1	18	9½	0	12	0	9	6	27	2394	0	0	119	14	0	29	18	6
3	1	3	7	3½	1	20	1	18	0	0	11	0	8	8½	28	2482	13	4	124	2	8	31	0	8
3	0	3	6	6	1	19	1	17	2½	0	10	0	7	11	29	2571	6	8	128	11	4	32	2	10
2	27	3	5	8½	1	18	1	16	5	0	9	0	7	1½	30	2660	0	0	133	0	0	33	5	0
2	26	3	4	11	1	17	1	15	7½	0	8	0	6	4	31	2748	13	4	137	8	8	34	7	2
2	25	3	4	1½	1	16	1	14	10	0	7	0	5	6½	32	2837	6	8	141	17	4	35	9	4
2	24	3	3	4	1	15	1	14	0½	0	6	0	4	9	33	2926	0	0	146	6	0	36	11	6
2	23	3	2	6½	1	14	1	13	3	0	5	0	3	11½	34	3014	13	4	150	14	8	37	13	8
2	22	3	1	9	1	13	1	12	5½	0	4	0	3	2	35	3103	6	8	155	3	4	38	15	10
2	21	3	0	11½	1	12	1	11	8	0	3	0	2	4½	36	3192	0	0	159	12	0	39	18	0
2	20	3	0	2	1	11	1	10	10½	0	2	0	1	7	37	3280	13	4	164	0	8	41	0	2
2	19	2	19	4½	1	10	1	10	1	0	1	0	0	9½	38	3369	6	8	168	9	4	42	2	4

Note—9½*d.* per lb.

£95 13s. 4d. per ton, £4 15s. 8d. per cwt. — Rate per qr. cwt., stone, and lb.													No.	£95 13s.4d per ton.			£4 15s.8d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day. ¼ yard, av. £1 3s.11d		
qr.	lb.	£	s.	d.	qr	lb.	£	s.	d.	qr.	lb.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	4	14	9¾	2	18	3	3	2¼	1	9	1	11	7½	2	191	6	8	9	11	4	2	7	10
3	26	4	13	11½	2	17	3	2	4¼	1	8	1	10	9	3	287	0	0	14	7	0	3	11	9
3	25	4	12	1¼	2	16	3	1	6	1	7	1	9	10¾	4	382	13	4	19	2	8	4	15	8
3	24	4	11	3	2	15	3	0	7¾	1	6	1	9	0¼	5	478	6	8	23	18	4	5	19	7
3	23	4	10	4¾	2	14	2	19	9½	1	5	1	8	2¼	6	574	0	0	28	14	0	7	3	6
3	22	4	9	6½	2	13	2	18	11¼	1	4	1	7	4	7	669	13	4	33	9	8	8	7	5
3	21	4	8	8¼	2	12	2	18	1	1	3	1	6	5¾	8	765	6	8	38	5	4	9	11	4
3	20	4	7	10	2	11	2	17	2¾	1	2	1	5	7½	9	861	0	0	43	1	0	10	15	3
3	19	4	6	11¾	2	10	2	16	4½	1	1	1	4	9¼	10	956	13	4	47	16	8	11	19	2
3	18	4	6	1½	2	9	2	15	6¼	1	0	1	3	11	11	1052	6	8	52	12	4	13	3	1
3	17	4	5	3¼	2	8	2	14	8	0	27	1	3	0¾	12	1148	0	0	57	8	0	14	7	0
3	16	4	4	5	2	7	2	13	9¾	0	26	1	2	2¼	13	1243	13	4	62	3	8	15	10	11
3	15	4	3	6¾	2	6	2	12	11½	0	25	1	1	4¼	14	1339	6	8	66	19	4	16	14	10
3	14	4	3	8½	2	5	2	12	1¼	0	24	1	0	6	15	1435	0	0	71	15	0	18	18	9
3	13	4	2	10¼	2	4	2	11	3	0	23	0	19	7¾	16	1530	13	4	76	10	8	19	2	8
3	12	4	2	0	2	3	2	10	4¾	0	22	0	18	9½	17	1626	6	8	81	6	4	20	6	7
3	11	4	1	1¾	2	2	2	9	6½	0	21	0	17	11¼	18	1722	0	0	86	2	0	21	10	6
3	10	4	0	3½	2	1	2	8	8¼	0	20	0	17	1	19	1817	13	4	90	17	8	22	14	5
3	9	3	19	5¼	2	0	2	7	10	0	19	0	16	2¾	20	1913	6	8	95	13	4	23	18	4
3	8	3	18	7	1	27	2	6	11¾	0	18	0	15	4¼	21	2009	0	0	100	9	0	25	2	3
3	7	3	17	8¾	1	26	2	6	1¼	0	17	0	14	6¼	22	2104	13	4	105	4	8	26	6	2
3	6	3	16	10½	1	25	2	5	3¼	0	16	0	13	8	23	2200	6	8	110	0	4	27	10	1
3	5	3	16	0¼	1	24	2	4	5	0	15	0	12	9¾	24	2296	0	0	114	16	0	28	14	0
3	4	3	15	2	1	23	2	3	6¾	0	14	0	11	11¼	25	2391	13	4	119	11	8	29	17	11
3	3	3	14	3¾	1	22	2	2	8¼	0	13	0	11	1½	26	2487	6	8	124	7	4	31	1	10
3	2	3	13	5½	1	21	2	1	10¼	0	12	0	10	3	27	2583	0	0	129	3	0	32	5	9
3	1	3	12	7¼	1	20	2	1	0	0	11	0	9	4¾	28	2678	13	4	133	18	8	33	9	8
3	0	3	11	9	1	19	2	0	1¾	0	10	0	8	6½	29	2774	6	8	138	14	4	34	13	7
2	27	3	10	10¾	1	18	1	19	3¼	0	9	0	7	8¼	30	2870	0	0	143	10	0	35	17	6
2	26	3	10	0¼	1	17	1	18	5¼	0	8	0	6	10	31	2965	13	4	148	5	8	37	1	5
2	25	3	9	2¼	1	16	1	17	7	0	7	0	5	11¾	32	3061	6	8	153	1	4	38	5	4
2	24	3	8	4	1	15	1	16	8¾	0	6	0	5	1¼	33	3157	0	0	157	17	0	39	9	3
2	23	3	7	5¾	1	14	1	15	10¼	0	5	0	4	3¼	34	3252	13	4	162	12	8	40	13	2
2	22	3	6	7½	1	13	1	15	0¼	0	4	0	3	5	35	3348	6	8	167	8	4	41	17	1
2	21	3	5	9¼	1	12	1	14	2	0	3	0	2	6¾	36	3444	0	0	172	4	0	43	1	0
2	20	3	4	11	1	11	1	13	3¾	0	2	0	1	8¼	37	3539	13	4	176	19	8	44	4	11
2	19	3	4	0¾	1	10	1	12	5¼	0	1	0	0	10¼	38	3635	6	8	181	15	4	45	8	10

Note—10¼*d.* per lb.

£93 6s. 8d. per ton, £4 13s. 4d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£93 6s. 8d. per ton.			£4 13s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. £1 3s. 4d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.											
3	27	4	12	6	2	18	3	1	8	1	9	1	10	10	2	186	13	4	9	6	8	2	6	8
3	26	4	11	8	2	17	3	0	10	1	8	1	10	0	3	280	0	0	14	0	0	3	10	0
3	25	4	10	10	2	16	3	0	0	1	7	1	9	2	4	373	6	8	18	13	4	4	13	4
3	24	4	10	0	2	15	2	19	2	1	6	1	8	4	5	466	13	4	23	6	8	5	16	8
3	23	4	9	2	2	14	2	18	4	1	5	1	7	6	6	560	0	0	28	0	0	7	0	0
3	22	4	8	4	2	13	2	17	6	1	4	1	6	8	7	653	6	8	32	13	4	8	3	4
3	21	4	7	6	2	12	2	16	8	1	3	1	5	10	8	746	13	4	37	6	8	9	6	8
3	20	4	6	8	2	11	2	15	10	1	2	1	5	0	9	840	0	0	42	0	0	10	10	0
3	19	4	5	10	2	10	2	15	0	1	1	1	4	2	10	933	6	8	46	13	4	11	13	4
3	18	4	5	0	2	9	2	14	2	1	0	1	3	4	11	1026	13	4	51	6	8	12	16	8
3	17	4	4	2	2	8	2	13	4	0	27	1	2	6	12	1120	0	0	56	0	0	14	0	0
3	16	4	3	4	2	7	2	12	6	0	26	1	1	8	13	1213	6	8	60	13	4	15	3	4
3	15	4	2	6	2	6	2	11	8	0	25	1	0	10	14	1306	13	4	65	6	8	16	6	8
3	14	4	1	8	2	5	2	10	10	0	24	1	0	0	15	1400	0	0	70	0	0	17	10	0
3	13	4	0	10	2	4	2	10	0	0	23	0	19	2	16	1493	6	8	74	13	4	18	13	4
3	12	4	0	0	2	3	2	9	2	0	22	0	18	4	17	1586	13	4	79	6	8	19	16	8
3	11	3	19	2	2	2	2	8	4	0	21	0	17	6	18	1680	0	0	84	0	0	21	0	0
3	10	3	18	4	2	1	2	7	6	0	20	0	16	8	19	1773	6	8	88	13	4	22	3	4
3	9	3	17	6	2	0	2	6	8	0	19	0	15	10	20	1866	13	4	93	6	8	23	6	8
3	8	3	16	8	1	27	2	5	10	0	18	0	15	0	21	1960	0	0	98	0	0	24	10	0
3	7	3	15	10	1	26	2	5	0	0	17	0	14	2	22	2053	6	8	102	13	4	25	13	4
3	6	3	15	0	1	25	2	4	2	0	16	0	13	4	23	2146	13	4	107	6	8	26	16	8
3	5	3	14	2	1	24	2	3	4	0	15	0	12	6	24	2240	0	0	112	0	0	28	0	0
3	4	3	13	4	1	23	2	2	6	0	14	0	11	8	25	2333	6	8	116	13	4	29	3	4
3	3	3	12	6	1	22	2	1	8	0	13	0	10	10	26	2426	13	4	121	6	8	30	6	8
3	2	3	11	8	1	21	2	0	10	0	12	0	10	0	27	2520	0	0	126	0	0	31	10	0
3	1	3	10	10	1	20	2	0	0	0	11	0	9	2	28	2613	6	8	130	13	4	32	13	4
3	0	3	10	0	1	19	1	19	2	0	10	0	8	4	29	2706	13	4	135	6	8	33	16	8
2	27	3	9	2	1	18	1	18	4	0	9	0	7	6	30	2800	0	0	140	0	0	35	0	0
2	26	3	8	4	1	17	1	17	6	0	8	0	6	8	31	2893	6	8	144	13	4	36	3	4
2	25	3	7	6	1	16	1	16	8	0	7	0	5	10	32	2986	13	4	149	6	8	37	6	8
2	24	3	6	8	1	15	1	15	10	0	6	0	5	0	33	3080	0	0	154	0	0	38	10	0
2	23	3	5	10	1	14	1	15	0	0	5	0	4	2	34	3173	6	8	158	13	4	39	13	4
2	22	3	5	0	1	13	1	14	2	0	4	0	3	4	35	3266	13	4	163	6	8	40	16	8
2	21	3	4	2	1	12	1	13	4	0	3	0	2	6	36	3360	0	0	168	0	0	42	0	0
2	20	3	3	4	1	11	1	12	6	0	2	0	1	8	37	3453	6	8	172	13	4	43	3	4
2	19	3	2	6	1	10	1	11	8	0	1	0	0	10	38	3546	13	4	177	6	8	44	6	8

Note—10*d.* per lb.

£95 13s. 4d. per ton, £4 15s. 8d. per cwt. — Rate per qr. cwt., stone, and lb.													No.	£95 13s. 4d per ton.			£4 15s. 8d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. £1 3s. 11d		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d
3	27	4	14	9¾	2	18	3	3	2¼	1	9	1	11	7½	2	191	6	8	9	11	4	2	7	10
3	26	4	13	11½	2	17	3	2	4½	1	8	1	10	9	3	287	0	0	14	7	0	3	11	6
3	25	4	12	1¼	2	16	3	1	6	1	7	1	9	10¾	4	382	13	4	19	2	8	4	15	8
3	24	4	11	3	2	15	3	0	7¾	1	6	1	9	0½	5	478	6	8	23	18	4	5	19	7
3	23	4	10	4¾	2	14	2	19	9½	1	5	1	8	2½	6	574	0	0	28	14	0	7	3	6
3	22	4	9	6½	2	13	2	18	11¼	1	4	1	7	4	7	669	13	4	33	9	8	8	7	5
3	21	4	8	8¼	2	12	2	18	1	1	3	1	6	5¾	8	765	6	8	38	5	4	9	11	4
3	20	4	7	10	2	11	2	17	2¾	1	2	1	5	7½	9	861	0	0	43	1	0	10	15	3
3	19	4	6	11¾	2	10	2	16	4½	1	1	1	4	9¼	10	956	13	4	47	16	8	11	19	2
3	18	4	6	1¼	2	9	2	15	6¼	1	0	1	3	11	11	1052	6	8	52	12	4	13	3	1
3	17	4	5	3½	2	8	2	14	8	0	27	1	3	0¾	12	1148	0	0	57	8	0	14	7	0
3	16	4	4	5	2	7	2	13	9¾	0	26	1	2	2¼	13	1243	13	4	62	3	8	15	10	11
3	15	4	3	6¾	2	6	2	12	11½	0	25	1	1	4½	14	1339	6	8	66	19	4	16	14	10
3	14	4	3	8½	2	5	2	12	1½	0	24	1	0	6	15	1435	0	0	71	15	0	18	18	9
3	13	4	2	10¼	2	4	2	11	3	0	23	0	19	7¾	16	1530	13	4	76	10	8	19	2	8
3	12	4	2	0	2	3	2	10	4¾	0	22	0	18	9½	17	1626	6	8	81	6	4	20	6	7
3	11	4	1	1¾	2	2	2	9	6½	0	21	0	17	11¼	18	1722	0	0	86	2	0	21	10	6
3	10	4	0	3½	2	1	2	8	8¼	0	20	0	17	1	19	1817	13	4	90	17	8	22	14	5
3	9	3	19	5¼	2	0	2	7	10	0	19	0	16	2¾	20	1913	6	8	95	13	4	23	18	4
3	8	3	18	7	1	27	2	6	11¾	0	18	0	15	4½	21	2009	0	0	100	9	0	25	2	3
3	7	3	17	8¾	1	26	2	6	1½	0	17	0	14	6¼	22	2104	13	4	105	4	8	26	6	2
3	6	3	16	10¼	1	25	2	5	3½	0	16	0	13	8	23	2200	6	8	110	0	4	27	10	1
3	5	3	16	0¼	1	24	2	4	5	0	15	0	12	9¾	24	2296	0	0	114	16	0	28	14	0
3	4	3	15	2	1	23	2	3	6¾	0	14	0	11	11¼	25	2391	13	4	119	11	8	29	17	11
3	3	3	14	3¾	1	22	2	2	8½	0	13	0	11	1¼	26	2487	6	8	124	7	4	31	1	10
3	2	3	13	5½	1	21	2	1	10¼	0	12	0	10	3	27	2583	0	0	129	3	0	32	5	9
3	1	3	12	7¼	1	20	2	1	0	0	11	0	9	4¾	28	2678	13	4	133	18	8	33	9	8
3	0	3	11	9	1	19	2	0	1¾	0	10	0	8	6¼	29	2774	6	8	138	14	4	34	13	7
2	27	3	10	10¾	1	18	1	19	3¼	0	9	0	7	8¼	30	2870	0	0	143	10	0	35	17	6
2	26	3	10	0¼	1	17	1	18	5¼	0	8	0	6	10	31	2965	13	4	148	5	8	37	1	5
2	25	3	9	2¼	1	16	1	17	7	0	7	0	5	11¾	32	3061	6	8	153	1	4	38	5	4
2	24	3	8	4	1	15	1	16	8¾	0	6	0	5	1¼	33	3157	0	0	157	17	0	39	9	3
2	23	3	7	5¾	1	14	1	15	10¼	0	5	0	4	3¼	34	3252	13	4	162	12	8	40	13	2
2	22	3	6	7½	1	13	1	15	0¼	0	4	0	3	5	35	3348	6	8	167	8	4	41	17	1
2	21	3	5	9¼	1	12	1	14	2	0	3	0	2	6¾	36	3444	0	0	172	4	0	43	1	0
2	20	3	4	11	1	11	1	13	3¾	0	2	0	1	8¼	37	3539	13	4	176	19	8	44	4	12
2	19	3	4	0¾	1	10	1	12	5¼	0	1	0	0	10¼	38	3635	6	8	181	15	4	45	8	1

Note—10¼d. per lb.

£98 per ton, £4 18s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£98 per ton.			£4 18s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ¼ yard, av. £1 4s. 6d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	4	17	1½	2	18	3	4	9	1	9	1	12	4½	2	196	0	0	9	16	0	2	9	0
3	26	4	16	3	2	17	3	3	10½	1	8	1	11	6	3	294	0	0	14	14	0	3	13	6
3	25	4	15	4½	2	16	3	3	0	1	7	1	10	7½	4	392	0	0	19	12	0	4	18	0
3	24	4	14	6	2	15	3	2	1½	1	6	1	9	9	5	490	0	0	24	10	0	6	2	6
3	23	4	13	7½	2	14	3	1	3	1	5	1	8	10½	6	588	0	0	29	8	0	7	7	0
3	22	4	12	9	2	13	3	0	4½	1	4	1	8	0	7	686	0	0	34	6	0	8	11	6
3	21	4	11	10½	2	12	2	19	6	1	3	1	7	1½	8	784	0	0	39	4	0	9	16	0
3	20	4	11	0	2	11	2	18	7½	1	2	1	6	3	9	882	0	0	44	2	0	11	0	6
3	19	4	10	1½	2	10	2	17	9	1	1	1	5	4½	10	980	0	0	49	0	0	12	5	0
3	18	4	9	3	2	9	2	16	10½	1	0	1	4	6	11	1078	0	0	53	18	0	13	9	6
3	17	4	8	4½	2	8	2	16	0	0	27	1	3	7½	12	1176	0	0	58	16	0	14	14	0
3	16	4	7	6	2	7	2	15	1½	0	26	1	2	9	13	1274	0	0	63	14	0	15	18	6
3	15	4	6	7½	2	6	2	14	3	0	25	1	1	10½	14	1372	0	0	68	12	0	17	3	0
3	14	4	5	9	2	5	2	13	4½	0	24	1	1	0	15	1470	0	0	73	10	0	18	7	6
3	13	4	4	10½	2	4	2	12	6	0	23	1	0	1½	16	1568	0	0	78	8	0	19	12	0
3	12	4	4	0	2	3	2	11	7½	0	22	0	19	3	17	1666	0	0	83	6	0	20	16	6
3	11	4	3	1½	2	2	2	10	9	0	21	0	18	4½	18	1764	0	0	88	4	0	22	1	0
3	10	4	2	3	2	1	2	9	10½	0	20	0	17	6	19	1862	0	0	93	2	0	23	5	6
3	9	4	1	4½	2	0	2	9	0	0	19	0	16	7½	20	1960	0	0	98	0	0	24	10	0
3	8	4	0	6	1	27	2	8	1½	0	18	0	15	9	21	2058	0	0	102	18	0	25	14	6
3	7	3	19	7½	1	26	2	7	3	0	17	0	14	10½	22	2156	0	0	107	16	0	26	19	0
3	6	3	18	9	1	25	2	6	4½	0	16	0	14	0	23	2254	0	0	112	14	0	28	3	6
3	5	3	17	10½	1	24	2	5	6	0	15	0	13	1½	24	2352	0	0	117	12	0	29	8	0
3	4	3	17	0	1	23	2	4	7½	0	14	0	12	3	25	2450	0	0	122	10	0	30	12	6
3	3	3	16	1½	1	22	2	3	9	0	13	0	11	4½	26	2548	0	0	127	8	0	31	17	0
3	2	3	15	3	1	21	2	2	10½	0	12	0	10	6	27	2646	0	0	132	6	0	33	1	6
3	1	3	14	4½	1	20	2	2	0	0	11	0	9	7½	28	2744	0	0	137	4	0	34	6	0
3	0	3	13	6	1	19	2	1	1½	0	10	0	8	9	29	2842	0	0	142	2	0	35	10	6
2	27	3	12	7½	1	18	2	0	3	0	9	0	7	10½	30	2940	0	0	147	0	0	36	15	0
2	26	3	11	9	1	17	1	19	4½	0	8	0	7	0	31	3038	0	0	151	18	0	37	19	6
2	25	3	10	10½	1	16	1	18	6	0	7	0	6	1½	32	3136	0	0	156	16	0	39	4	0
2	24	3	10	0	1	15	1	17	7½	0	6	0	5	3	33	3234	0	0	161	14	0	40	8	6
2	23	3	9	1½	1	14	1	16	9	0	5	0	4	4½	34	3332	0	0	166	12	0	41	13	0
2	22	3	8	3	1	13	1	15	10½	0	4	0	3	6	35	3430	0	0	171	10	0	42	17	6
2	21	3	7	4½	1	12	1	15	0	0	3	0	2	7½	36	3528	0	0	176	8	0	44	2	0
2	20	3	6	6	1	11	1	14	1½	0	2	0	1	9	37	3626	0	0	181	6	0	45	6	6
2	19	3	5	7½	1	10	1	13	3	0	1	0	0	10½	38	3724	0	0	186	4	0	46	11	0

Note—10½d. per lb.

£100 6s. 8d. per ton, £5 0s. 4d. per cwt.

Rate per qr. cwt., stone, and lb.

qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	No.	£100 6s. 8d. per ton.	£	s.	d.	£5 0s. 4d. per cwt., bushel, day, or yard.	£	s.	d.	qr. cwt., peck, ¼ day, ¼ yard, av. £1 5s. 1d.	£	s.	d.
3	27	4	19	5½	2	18	3	6	3½	1	9	1	13	1¾	2	200	13	4	10	0	8	2	10	2			
3	26	4	18	6½	2	17	3	5	4¾	1	8	1	12	3	3	301	0	0	15	1	0	3	15	3			
3	25	4	17	7¾	2	16	3	4	6	1	7	1	11	4¼	4	401	6	8	20	1	4	5	0	4			
3	24	4	16	9	2	15	3	3	7¼	1	6	1	10	5¼	5	501	13	4	25	1	8	6	5	5			
3	23	4	15	10¼	2	14	3	2	8½	1	5	1	9	6¾	6	602	0	0	30	2	0	7	10	6			
3	22	4	14	11¼	2	13	3	1	9¾	1	4	1	8	8	7	702	6	8	35	2	4	8	15	7			
3	21	4	14	0¾	2	12	3	0	11	1	3	1	7	9¼	8	802	13	4	40	2	8	10	0	8			
3	20	4	13	2	2	11	3	0	0¼	1	2	1	6	10½	9	903	0	0	45	3	0	11	5	9			
3	19	4	12	3¼	2	10	2	19	1¼	1	1	1	5	11¾	10	1003	6	8	50	3	4	12	10	10			
3	18	4	11	4¼	2	9	2	18	2¾	1	0	1	5	1	11	1103	13	4	55	3	8	13	15	11			
3	17	4	10	5¾	2	8	2	17	4	0	27	1	4	2½	12	1204	0	0	60	4	0	15	1	0			
3	16	4	9	7	2	7	2	16	5¼	0	26	1	3	3¼	13	1304	6	8	65	4	4	16	6	1			
3	15	4	8	8¼	2	6	2	15	6¼	0	25	1	2	4¾	14	1404	13	4	70	4	8	17	11	2			
3	14	4	7	9¼	2	5	2	14	7¾	0	24	1	1	6	15	1505	0	0	75	5	0	18	16	3			
3	13	4	6	10¾	2	4	2	13	9	0	23	1	0	7¼	16	1605	6	8	80	5	4	20	1	4			
3	12	4	6	0	2	3	2	12	10¼	0	22	0	19	8½	17	1705	13	4	85	5	8	21	6	5			
3	11	4	5	1¼	2	2	2	11	11¼	0	21	0	18	9¾	18	1806	0	0	90	6	0	22	11	6			
3	10	4	4	2¼	2	1	2	11	0¾	0	20	0	17	11	19	1906	6	8	95	6	4	23	16	7			
3	9	4	3	3¾	2	0	2	10	2	0	19	0	17	0¼	20	2006	13	4	100	6	8	25	1	8			
3	8	4	2	5	1	27	2	9	3¼	0	18	0	16	1½	21	2107	0	0	105	7	0	26	6	9			
3	7	4	1	6¼	1	26	2	8	4¼	0	17	0	15	2¾	22	2207	6	8	110	7	4	27	11	10			
3	6	4	0	7¼	1	25	2	7	5¾	0	16	0	14	4	23	2307	13	4	115	7	8	28	16	11			
3	5	3	19	8¾	1	24	2	6	7	0	15	0	13	5¼	24	2408	0	0	120	8	0	30	2	0			
3	4	3	18	10	1	23	2	5	8¼	0	14	0	12	6¼	25	2508	6	8	125	8	4	31	7	1			
3	3	3	17	11¼	1	22	2	4	9¼	0	13	0	11	7¾	26	2608	13	4	130	8	8	32	12	2			
3	2	3	17	0¾	1	21	2	3	10¾	0	12	0	10	9	27	2709	0	0	135	9	0	33	17	3			
3	1	3	16	1¾	1	20	2	3	0	0	11	0	9	10¼	28	2809	6	8	140	9	4	35	2	4			
3	0	3	15	3	1	19	2	2	1¼	0	10	0	8	11¼	29	2909	13	4	145	9	8	36	7	5			
2	27	3	14	4¼	1	18	2	1	2¼	0	9	0	8	0¾	30	3010	0	0	150	10	0	37	12	6			
2	26	3	13	5¼	1	17	2	0	3¼	0	8	0	7	2	31	3110	6	8	155	10	4	38	17	7			
2	25	3	12	6¾	1	16	1	19	5	0	7	0	6	3¼	32	3210	13	4	160	10	8	40	2	8			
2	24	3	11	8	1	15	1	18	6¼	0	6	0	5	4¼	33	3311	0	0	165	11	0	41	7	9			
2	23	3	10	9¼	1	14	1	17	7¼	0	5	0	4	5¼	34	3411	6	8	170	11	4	42	12	10			
2	22	3	9	10¼	1	13	1	16	8¾	0	4	0	3	7	35	3511	13	4	175	11	8	43	17	11			
2	21	3	8	11¾	1	12	1	15	10	0	3	0	2	8¼	36	3612	0	0	180	12	0	45	3	0			
2	20	3	8	1	1	11	1	14	11¼	0	2	0	1	9¼	37	3712	6	8	185	12	4	46	8	1			
2	19	3	7	2¼	1	10	1	14	0¼	0	1	0	0	10¼	38	3812	13	4	190	12	8	47	13	2			

Note—10¼d. per lb.

£102 13s. 4d. per ton, £5 2s. 8d. per cwt. Rate per qr. cwt., stone, and lb.											No.	£102 13s. 4d. per ton.			£5 2s. 8d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av, £1 5s. 8d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	5	1	9	2	18	3	7	10	1	9	1	13	11	2	205	6	8	10	5	4	2	11	4
3	26	5	0	10	2	17	3	6	11	1	8	1	13	0	3	308	0	0	15	8	0	3	17	0
3	25	4	19	11	2	16	3	6	0	1	7	1	12	1	4	410	13	4	20	10	8	5	2	8
3	24	4	19	0	2	15	3	5	1	1	6	1	11	2	5	513	6	8	25	13	4	6	8	4
3	23	4	18	1	2	14	3	4	2	1	5	1	10	3	6	616	0	0	30	16	0	7	14	0
3	22	4	17	2	2	13	3	3	3	1	4	1	9	4	7	718	13	4	35	18	8	8	19	8
3	21	4	16	3	2	12	3	2	4	1	3	1	8	5	8	821	6	8	41	1	4	10	5	4
3	20	4	15	4	2	11	3	1	5	1	2	1	7	6	9	924	0	0	46	4	0	11	11	0
3	19	4	14	5	2	10	3	0	6	1	1	1	6	7	10	1026	13	4	51	6	8	12	16	8
3	18	4	13	6	2	9	2	19	7	1	0	1	5	8	11	1129	6	8	56	9	4	14	2	4
3	17	4	12	7	2	8	2	18	8	0	27	1	4	9	12	1232	0	0	61	12	0	15	8	0
3	16	4	11	8	2	7	2	17	9	0	26	1	3	10	13	1334	13	4	66	14	8	16	13	8
3	15	4	10	9	2	6	2	16	10	0	25	1	2	11	14	1437	6	8	71	17	4	17	19	4
3	14	4	9	10	2	5	2	15	11	0	24	1	2	0	15	1540	0	0	77	0	0	19	5	0
3	13	4	8	11	2	4	2	15	0	0	23	1	1	1	16	1642	13	4	82	2	8	20	10	8
3	12	4	8	0	2	3	2	14	1	0	22	1	0	2	17	1745	6	8	87	5	4	21	16	4
3	11	4	7	1	2	2	2	13	2	0	21	0	19	3	18	1848	0	0	92	8	0	23	2	0
3	10	4	6	2	2	1	2	12	3	0	20	0	18	4	19	1950	13	4	97	10	8	24	7	8
3	9	4	5	3	2	0	2	11	4	0	19	0	17	5	20	2053	6	8	102	13	4	25	13	4
3	8	4	4	4	1	27	2	10	5	0	18	0	16	6	21	2156	0	0	107	16	0	26	19	0
3	7	4	3	5	1	26	2	9	6	0	17	0	15	7	22	2258	13	4	112	18	8	28	4	8
3	6	4	2	6	1	25	2	8	7	0	16	0	14	8	23	2361	6	8	118	1	4	29	10	4
3	5	4	1	7	1	24	2	7	8	0	15	0	13	9	24	2464	0	0	123	4	0	30	16	0
3	4	4	0	8	1	23	2	6	9	0	14	0	12	10	25	2566	13	4	128	6	8	32	1	8
3	3	3	19	9	1	22	2	5	10	0	13	0	11	11	26	2669	6	8	133	9	4	33	7	4
3	2	3	18	10	1	21	2	4	11	0	12	0	11	0	27	2772	0	0	138	12	0	34	13	0
3	1	3	17	11	1	20	2	4	0	0	11	0	10	1	28	2874	13	4	143	14	8	35	18	8
3	0	3	17	0	1	19	2	3	1	0	10	0	9	2	29	2977	6	8	148	17	4	37	4	4
2	27	3	16	1	1	18	2	2	2	0	9	0	8	3	30	3080	0	0	154	0	0	38	10	0
2	26	3	15	2	1	17	2	1	3	0	8	0	7	4	31	3182	13	4	159	2	8	39	15	8
2	25	3	14	3	1	16	2	0	4	0	7	0	6	5	32	3285	6	8	164	5	4	41	1	4
2	24	3	13	4	1	15	1	19	5	0	6	0	5	6	33	3388	0	0	169	8	0	42	7	0
2	23	3	12	5	1	14	1	18	6	0	5	0	4	7	34	3490	13	4	174	10	8	43	12	8
2	22	3	11	6	1	13	1	17	7	0	4	0	3	8	35	3593	6	8	179	13	4	44	18	4
2	21	3	10	7	1	12	1	16	8	0	3	0	2	9	36	3696	0	0	184	16	0	46	4	0
2	20	3	9	8	1	11	1	15	9	0	2	0	1	10	37	3798	13	4	189	18	8	47	9	8
2	19	3	8	9	1	10	1	14	10	0	1	0	0	11	38	3901	6	8	195	1	4	48	15	4

Note—11*d.* per lb.

£105 per ton, £5 5s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£105 per ton.			£5 5s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yd., aver. £1 6s. 3d.		
qr.	lb.	£	s	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	£	s.	d.	£	s.	d.
3	27	5	4	0¾	2	18	3	9	4½	1	9	1	14	8½	2	210	0	0	10	10	0	2	12	6
3	26	5	3	1¼	2	17	3	8	5¼	1	8	1	13	9	3	315	0	0	15	15	0	3	18	9
3	25	5	2	2¼	2	16	3	7	6	1	7	1	12	9¾	4	420	0	0	21	0	0	5	5	0
3	24	5	1	3	2	15	3	6	6¾	1	6	1	11	10½	5	525	0	0	26	5	0	6	11	3
3	23	5	0	3¾	2	14	3	5	7½	1	5	1	10	11¼	6	630	0	0	31	10	0	7	17	6
3	22	4	19	4½	2	13	3	4	8¼	1	4	1	10	0	7	735	0	0	36	15	0	9	3	9
3	21	4	18	5¼	2	12	3	3	9	1	3	1	9	0¾	8	840	0	0	42	0	0	10	10	0
3	20	4	17	6	2	11	3	2	9¾	1	2	1	8	1½	9	945	0	0	47	5	0	11	16	3
3	19	4	16	6¾	2	10	3	1	10½	1	1	1	7	2¼	10	1050	0	0	52	10	0	13	2	6
3	18	4	15	7¼	2	9	3	0	11¼	1	0	1	6	3	11	1155	0	0	57	15	0	14	8	9
3	17	4	14	8¼	2	8	3	0	0	0	27	1	5	3¾	12	1260	0	0	63	0	0	15	15	0
3	16	4	13	9	2	7	2	19	0¾	0	26	1	4	4½	13	1365	0	0	68	5	0	17	1	3
3	15	4	12	9¾	2	6	2	18	1¼	0	25	1	3	5¼	14	1470	0	0	73	10	0	18	7	6
3	14	4	11	10¾	2	5	2	17	2¼	0	24	1	2	6	15	1575	0	0	78	15	0	19	13	9
3	13	4	10	11¼	2	4	2	16	3	0	23	1	1	6¾	16	1680	0	0	84	0	0	21	0	0
3	12	4	10	0	2	3	2	15	3¾	0	22	1	0	7½	17	1785	0	0	89	5	0	22	6	3
3	11	4	9	0¾	2	2	2	14	4½	0	21	0	19	8¼	18	1890	0	0	94	10	0	23	12	6
3	10	4	8	1¼	2	1	2	13	5¼	0	20	0	18	9	19	1995	0	0	99	15	0	24	18	9
3	9	4	7	2¼	2	0	2	12	6	0	19	0	17	9¾	20	2100	0	0	105	0	0	26	5	0
3	8	4	6	3	1	27	2	11	6¾	0	18	0	16	10¼	21	2205	0	0	110	5	0	27	11	3
3	7	4	5	3¾	1	26	2	10	7½	0	17	0	15	11¼	22	2310	0	0	115	10	0	28	17	6
3	6	4	4	4½	1	25	2	9	8¼	0	16	0	15	0	23	2415	0	0	120	15	0	30	3	9
3	5	4	3	5¼	1	24	2	8	9	0	15	0	14	0¾	24	2520	0	0	126	0	0	31	10	0
3	4	4	2	6	1	23	2	7	9¾	0	14	0	13	1¼	25	2625	0	0	131	5	0	32	16	3
3	3	4	1	6¾	1	22	2	6	10¼	0	13	0	12	2¼	26	2730	0	0	136	10	0	34	2	6
3	2	4	0	7¼	1	21	2	5	11¼	0	12	0	11	3	27	2835	0	0	141	15	0	35	8	9
2	1	3	19	8¼	1	20	2	5	0	0	11	0	10	3¾	28	2940	0	0	147	0	0	36	15	0
2	0	3	18	9	1	19	2	4	0¾	0	10	0	9	4½	29	3045	0	0	152	5	0	38	1	3
2	27	3	17	9¾	1	18	2	3	1¼	0	9	0	8	5¼	30	3150	0	0	157	10	0	39	7	6
2	26	3	16	10¼	1	17	2	2	2¼	0	8	0	7	6	31	3255	0	0	162	15	0	40	13	9
2	25	3	15	11¼	1	16	2	1	3	0	7	0	6	6¾	32	3360	0	0	168	0	0	42	0	0
2	24	3	15	0	1	15	2	0	3¾	0	6	0	5	7½	33	3465	0	0	173	5	0	43	6	3
2	23	3	14	0¾	1	14	1	19	4½	0	5	0	4	8¼	34	3570	0	0	178	10	0	44	12	6
2	22	3	13	1¼	1	13	1	18	5¼	0	4	0	3	9	35	3675	0	0	183	15	0	45	18	9
2	21	3	12	2¼	1	12	1	17	6	0	3	0	2	9¾	36	3780	0	0	189	0	0	47	5	0
2	20	3	11	3	1	11	1	16	6¾	0	2	0	1	10⅛	37	3885	0	0	194	5	0	48	11	3
2	19	3	10	3¾	1	10	1	15	7½	0	1	0	0	11¼	38	3990	0	0	199	10	0	49	15	6

Note—11¼*d.* per lb.

£107 6s. 8d. per ton. £5 7s. 4d. per cwt. Rate per qr. cwt., stone, and lb.											No.	£107 6s. 8d. per ton.			£5 7s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. £1 6s. 10d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	5	6	4½	2	18	3	10	11	1	9	1	15	5½	2	214	13	4	10	14	8	2	13	8
3	26	5	5	5	2	17	3	9	11⅓	1	8	1	14	6	3	322	0	0	16	2	0	4	0	6
3	25	5	4	5⅓	2	16	3	9	0	1	7	1	13	6⅔	4	429	6	8	21	9	4	5	7	4
3	24	5	3	6	2	15	3	8	0⅔	1	6	1	12	7	5	536	13	4	26	16	8	6	14	2
3	23	5	2	6⅔	2	14	3	7	1	1	5	1	11	7⅓	6	644	0	0	32	4	0	8	1	0
3	22	5	1	7	2	13	3	6	1⅓	1	4	1	10	8	7	751	6	8	37	11	4	9	7	10
3	21	5	0	7⅓	2	12	3	5	2	1	3	1	9	8⅓	8	858	13	4	42	18	8	10	14	8
3	20	4	19	8	2	11	3	4	2⅓	1	2	1	8	9	9	966	0	0	48	6	0	12	1	6
3	19	4	18	8⅓	2	10	3	3	3	1	1	1	7	9⅓	10	1073	6	8	53	13	4	13	8	4
3	18	4	17	9	2	9	3	2	3⅔	1	0	1	6	10	11	1180	13	4	59	0	8	14	15	2
3	17	4	16	9⅔	2	8	3	1	4	0	27	1	5	10⅔	12	1288	0	0	64	8	0	16	2	0
3	16	4	15	10	2	7	3	0	4⅓	0	26	1	4	11	13	1395	6	8	69	15	4	17	8	10
3	15	4	14	10⅓	2	6	2	19	5	0	25	1	3	11⅓	14	1502	13	4	75	2	8	18	15	8
3	14	4	13	11	2	5	2	18	5⅓	0	24	1	3	0	15	1610	0	0	80	10	0	20	2	6
3	13	4	12	11⅓	2	4	2	17	6	0	23	1	2	0⅓	16	1717	6	8	85	17	4	21	9	4
3	12	4	12	0	2	3	2	16	6⅔	0	22	1	1	1	17	1824	13	4	91	4	8	22	16	2
3	11	4	11	0⅔	2	2	2	15	7	0	21	1	0	1⅔	18	1932	0	0	96	12	0	24	3	0
3	10	4	10	1	2	1	2	14	7⅓	0	20	0	19	2	19	2039	6	8	101	19	4	25	9	10
3	9	4	9	1⅓	2	0	2	13	8	0	19	0	18	2⅔	20	2146	13	4	107	6	8	26	16	8
3	8	4	8	2	1	27	2	12	8⅓	0	18	0	17	3	21	2254	0	0	112	14	0	28	3	6
3	7	4	7	2⅓	1	26	3	11	9	0	17	0	16	3⅓	22	2361	6	8	118	1	4	29	10	4
3	6	4	6	3	1	25	2	10	9⅓	0	16	0	15	4	23	2468	13	4	123	8	8	30	17	2
3	5	4	5	3⅓	1	24	2	9	10	0	15	0	14	4⅔	24	2576	0	0	128	16	0	32	4	0
3	4	4	4	4	1	23	2	8	10⅔	0	14	0	13	5	25	2683	6	8	134	3	4	33	10	10
3	3	4	3	4⅓	1	22	2	7	11	0	13	0	12	5⅓	26	2793	13	4	139	10	8	34	17	8
3	2	4	2	5	1	21	2	6	11⅓	0	12	0	11	6	27	2898	0	0	144	18	0	36	4	6
3	1	4	1	5⅓	1	20	2	6	0	0	11	0	10	6⅓	28	3005	6	8	150	5	4	37	11	4
3	0	4	0	6	1	19	2	5	0⅓	0	10	0	9	7	29	3112	13	4	155	12	8	38	18	2
2	27	3	19	6½	1	18	2	4	1	0	9	0	8	7⅓	30	3220	0	0	161	0	0	40	5	0
2	26	3	18	7	1	17	2	3	1⅓	0	8	0	7	8	31	3327	6	8	166	7	4	41	11	10
2	25	3	17	7½	1	16	2	2	2	0	7	0	6	8⅓	32	3434	13	4	171	14	8	42	18	8
2	24	3	16	8	1	15	2	1	2⅔	0	6	0	5	9	33	3542	0	0	177	2	0	44	5	6
2	23	3	15	8½	1	14	2	0	3	0	5	0	4	9⅓	34	3649	6	8	182	9	4	45	12	4
2	22	3	14	9	1	13	1	19	3⅓	0	4	0	3	10	35	3756	13	4	187	16	8	46	19	2
2	21	3	13	9½	1	12	1	18	4	0	3	0	2	10⅔	36	3864	0	0	193	4	0	48	6	0
2	20	3	12	10	1	11	1	17	4⅓	0	2	0	1	11	37	3971	6	8	198	11	4	49	12	10
2	19	3	11	10½	1	10	1	16	5	0	1	0	0	11⅔	38	4078	13	4	203	18	8	50	19	8

Note—11½d. per lb.

£109 13s. 4d. per ton, £5 9s. 8d. per cwt. — Rate per qr. cwt., stone. and lb.											No.	£109 13s. 4d per ton.			£5 9s. 8d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. £1 4s. 6d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	£	s.	d.	£	s.	d.
3	27	5	8	8½	2	18	3	12	5½	1	9	1	16	2⅔	2	219	6	8	10	19	4	2	14	10
3	26	5	7	8½	2	17	3	11	5⅓	1	8	1	15	3	3	329	0	0	16	9	0	4	2	3
3	25	5	6	8⅔	2	16	3	10	6	1	7	1	14	3⅓	4	438	13	4	21	18	8	5	9	8
3	24	5	5	9	2	15	3	9	6½	1	6	1	13	3⅔	5	548	6	8	27	8	4	6	17	1
3	23	5	4	9⅓	2	14	3	8	6⅔	1	5	1	12	3⅔	6	658	0	0	32	18	0	8	4	6
3	22	5	3	9⅔	2	13	3	7	6⅔	1	4	1	11	4	7	767	13	4	38	7	8	9	11	11
3	21	5	2	9⅔	2	12	3	6	7	1	3	1	10	4⅓	8	877	6	8	43	17	4	10	19	4
3	20	5	1	10	2	11	3	5	7⅓	1	2	1	9	4⅓	9	987	0	0	49	7	0	12	6	8
3	19	5	0	10⅓	2	10	3	4	7⅓	1	1	1	8	4⅔	10	1096	13	4	54	16	8	13	14	2
3	18	4	19	10⅓	2	9	3	3	7⅔	1	0	1	7	5	11	1206	6	8	60	6	4	15	1	7
3	17	4	18	10⅔	2	8	3	2	8	0	27	1	6	5⅓	12	1316	0	0	65	16	0	16	9	0
3	16	4	17	11	2	7	3	1	8⅓	0	26	1	5	5⅓	13	1425	13	4	71	5	8	17	16	5
3	15	4	16	11⅓	2	6	3	0	8⅓	0	25	1	4	5⅔	14	1535	6	8	76	15	4	19	3	10
3	14	4	15	11⅓	2	5	2	19	8⅔	0	24	1	3	6	15	1645	0	0	82	5	0	20	11	3
3	13	4	14	11⅔	2	4	2	18	9	0	23	1	2	6⅓	16	1754	13	4	87	14	8	21	18	8
3	12	4	14	0	2	3	2	17	9⅓	0	22	1	1	6⅓	17	1864	6	8	93	4	4	23	6	1
3	11	4	13	0⅓	2	2	2	16	9⅓	0	21	1	0	6⅔	18	1974	0	0	98	14	0	24	13	6
3	10	4	12	0⅓	2	1	2	15	9⅔	0	20	0	19	7	19	2083	13	4	104	3	8	26	0	11
3	9	4	11	0⅔	2	0	2	14	10	0	19	0	18	7⅓	20	2193	6	8	109	13	4	27	8	4
3	8	4	10	1	1	27	2	13	10⅓	0	18	0	17	7⅓	21	2303	0	0	115	3	0	28	15	9
3	7	4	9	1⅓	1	26	2	12	10⅓	0	17	0	16	7⅔	22	2412	13	4	120	12	8	30	3	2
3	6	4	8	1⅓	1	25	2	11	10⅔	0	16	0	15	8	23	2522	6	8	126	2	4	31	10	7
3	5	4	7	1⅔	1	24	2	10	11	0	15	0	14	8⅓	24	2632	0	0	131	12	0	32	18	0
3	4	4	6	2	1	23	2	9	11⅓	0	14	0	13	8⅓	25	2741	13	4	137	1	8	34	5	5
3	3	4	5	2⅓	1	22	2	8	11⅓	0	13	0	12	8⅔	26	2851	6	8	142	11	4	35	12	10
3	2	4	4	2⅓	1	21	2	7	11⅔	0	12	0	11	9	27	2961	0	0	148	1	0	37	0	3
3	1	4	3	2⅔	1	20	2	7	0	0	11	0	10	9⅓	28	3070	13	4	153	10	8	38	7	8
3	0	4	2	3	1	19	2	6	0⅓	0	10	0	9	9⅓	29	3180	6	8	159	0	4	39	15	1
2	27	4	1	3⅓	1	18	2	5	0⅓	0	9	0	8	9⅔	30	3290	0	0	164	10	0	41	3	6
2	26	4	0	3⅓	1	17	2	4	0⅔	0	8	0	7	10	31	3399	13	4	169	19	8	42	10	11
2	25	3	19	3⅔	1	16	2	3	1	0	7	0	6	10⅓	32	3509	6	8	175	9	4	43	18	4
2	24	3	18	4	1	15	2	2	1⅓	0	6	0	5	10⅔	33	3619	0	0	180	19	0	45	5	9
2	23	3	17	4⅓	1	14	2	1	1⅓	0	5	0	4	10⅔	34	3728	13	4	186	8	8	46	13	2
2	22	3	16	4⅓	1	13	2	0	1⅔	0	4	0	3	11	35	3828	6	8	192	18	4	47	19	7
2	21	3	15	4⅔	1	12	1	19	2	0	3	0	2	11⅓	36	3948	0	0	197	8	0	49	7	0
2	20	3	14	5	1	11	1	18	2⅓	0	2	0	1	11⅓	37	4057	13	4	203	17	8	50	14	5
2	19	3	13	5⅓	1	10	1	17	2⅓	0	1	0	0	11⅔	38	4167	6	8	208	7	4	52	1	10

Note—11⅔*d.* per lb.

£112 per ton, £5 12s. per cwt. Rate per qr. cwt., stone, and lb.											No.	£112 per ton.			£5 12s. per cwt. bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yard, av. £1 8s.		
qr.	lb.	£	s.	d.	lb.	£	s.	d.	lb.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	5	11	0	2	18	3	14	0	1	9	1	17	0	2	224	0	0	11	4	0	2	16	0
3	26	5	10	0	2	17	3	13	0	1	8	1	16	0	3	336	0	0	16	16	0	4	4	0
3	25	5	9	0	2	16	3	12	0	1	7	1	15	0	4	448	0	0	22	8	0	5	12	0
3	24	5	8	0	2	15	3	11	0	1	6	1	14	0	5	560	0	0	28	0	0	7	0	0
3	23	5	7	0	2	14	3	10	0	1	5	1	13	0	6	672	0	0	33	12	0	8	8	0
3	22	5	6	0	2	13	3	9	0	1	4	1	12	0	7	784	0	0	39	4	0	9	16	0
3	21	5	5	0	2	12	3	8	0	1	3	1	11	0	8	896	0	0	44	16	0	11	4	0
3	20	5	4	0	2	11	3	7	0	1	2	1	10	0	9	1008	0	0	50	8	0	12	12	0
3	19	5	3	0	2	10	3	6	0	1	1	1	9	0	10	1120	0	0	56	0	0	14	0	0
3	18	5	2	0	2	9	3	5	0	1	0	1	8	0	11	1232	0	0	61	12	0	15	8	0
3	17	5	1	0	2	8	3	4	0	0	27	1	7	0	12	1344	0	0	67	4	0	16	16	0
3	16	5	0	0	2	7	3	3	0	0	26	1	6	0	13	1456	0	0	72	16	0	18	4	0
3	15	4	19	0	2	6	3	2	0	0	25	1	5	0	14	1568	0	0	78	8	0	19	12	0
3	14	4	18	0	2	5	3	1	0	0	24	1	4	0	15	1680	0	0	84	0	0	21	0	0
3	13	4	17	0	2	4	3	0	0	0	23	1	3	0	16	1792	0	0	89	12	0	22	8	0
3	12	4	16	0	2	3	2	19	0	0	22	1	2	0	17	1904	0	0	95	4	0	23	16	0
3	11	4	15	0	2	2	2	18	0	0	21	1	1	0	18	2016	0	0	100	16	0	25	4	0
3	10	4	14	0	2	1	2	17	0	0	20	1	0	0	19	2128	0	0	106	8	0	26	12	0
3	9	4	13	0	2	0	2	16	0	0	19	0	19	0	20	2240	0	0	112	0	0	28	0	0
3	8	4	12	0	1	27	2	15	0	0	18	0	18	0	21	2352	0	0	117	12	0	29	8	0
3	7	4	11	0	1	26	2	14	0	0	17	0	17	0	22	2464	0	0	123	4	0	30	16	0
3	6	4	10	0	1	25	2	13	0	0	16	0	16	0	23	2576	0	0	128	16	0	32	4	0
3	5	4	9	0	1	24	2	12	0	0	15	0	15	0	24	2688	0	0	134	8	0	33	12	0
3	4	4	8	0	1	23	2	11	0	0	14	0	14	0	25	2800	0	0	140	0	0	35	0	0
3	3	4	7	0	1	22	2	10	0	0	13	0	13	0	26	2912	0	0	145	12	0	36	8	0
3	2	4	6	0	1	21	2	9	0	0	12	0	12	0	27	3024	0	0	151	4	0	37	16	0
3	1	4	5	0	1	20	2	8	0	0	11	0	11	0	28	3136	0	0	156	16	0	39	4	0
3	0	4	4	0	1	19	2	7	0	0	10	0	10	0	29	3248	0	0	162	8	0	40	12	0
2	27	4	3	0	1	18	2	6	0	0	9	0	9	0	30	3360	0	0	168	0	0	42	0	0
2	26	4	2	0	1	17	2	5	0	0	8	0	8	0	31	3472	0	0	173	12	0	43	8	0
2	25	4	1	0	1	16	2	4	0	0	7	0	7	0	32	3584	0	0	179	4	0	44	16	0
2	24	4	0	0	1	15	2	3	0	0	6	0	6	0	33	3696	0	0	184	16	0	46	4	0
2	23	3	19	0	1	14	2	2	0	0	5	0	5	0	34	3808	0	0	190	8	0	47	12	0
2	22	3	18	0	1	13	2	1	0	0	4	0	4	0	35	3920	0	0	196	0	0	49	0	0
2	21	3	17	0	1	12	2	0	0	0	3	0	3	0	36	4032	0	0	201	12	0	50	8	0
2	20	3	16	0	1	11	1	19	0	0	2	0	2	0	37	4144	0	0	207	4	0	51	16	0
2	19	3	15	0	1	10	1	18	0	0	1	0	1	0	38	4256	0	0	212	16	0	53	4	0

Note—1s. per lb.

£114 6*s*. 8*d*. per ton, £5 14*s*. 4*d*. per cwt.

Rate per qr. cwt., stone, and lb.

qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	No.	£114 6*s*. 8*d*. per ton. £	s.	d.	£5 14*s*. 4*d*. per cwt.. bushel, day, or yard. £	s.	d.	qr. cwt., peck, ¼ day, ¼ yard, av. £1 8*s*. 7*d*. £	s.	d.
3	27	5	13	3¾	2	18	3	15	6½	1	9	1	17	9¼	2	228	13	4	11	8	8	2	17	2
3	26	5	12	3½	2	17	3	14	6¼	1	8	1	16	9	3	343	0	0	17	3	0	4	5	9
3	25	5	11	3¼	2	16	3	13	6	1	7	1	15	8¾	4	457	6	8	22	17	4	5	14	4
3	24	5	10	3	2	15	3	12	5¾	1	6	1	14	8½	5	571	13	4	28	11	8	7	2	11
3	23	5	9	2¾	2	14	3	11	5½	1	5	1	13	8¼	6	686	0	0	34	6	0	8	11	6
3	22	5	8	2½	2	13	3	10	5¼	1	4	1	12	8	7	800	6	8	40	0	4	10	0	1
3	21	5	7	2¼	2	12	3	9	5	1	3	1	11	7¾	8	914	13	4	45	14	8	11	8	8
3	20	5	6	2	2	11	3	8	4¾	1	2	1	10	7½	9	1029	0	0	51	9	0	12	17	3
3	19	5	5	1¾	2	10	3	7	4½	1	1	1	9	7¼	10	1143	6	8	57	3	4	14	5	10
3	18	5	4	1½	2	9	3	6	4¼	1	0	1	8	7	11	1257	13	4	62	17	8	15	14	5
3	17	5	3	1¼	2	8	3	5	4	0	27	1	7	6¾	12	1372	0	0	68	12	0	17	3	0
3	16	5	2	1	2	7	3	4	3¾	0	26	1	6	6½	13	1486	6	8	74	6	4	18	11	7
3	15	5	1	0¾	2	6	3	3	3½	0	25	1	5	6¼	14	1600	13	4	80	0	8	20	0	2
3	14	5	0	0½	2	5	3	2	3¼	0	24	1	4	6	15	1715	0	0	85	15	0	21	8	9
3	13	4	19	0¼	2	4	3	1	3	0	23	1	3	5¾	16	1829	6	8	91	9	4	22	17	4
3	12	4	18	0	2	3	3	0	2¾	0	22	1	2	5½	17	1943	13	4	97	3	8	24	5	11
3	11	4	16	11¾	2	2	2	19	2½	0	21	1	1	5¼	18	2058	0	0	102	18	0	25	14	6
3	10	4	15	11½	2	1	2	18	2¼	0	20	1	0	5	19	2172	6	8	108	12	4	27	3	1
3	9	4	14	11¼	2	0	2	17	2	0	19	0	19	4¾	20	2286	13	4	114	6	8	28	11	8
3	8	4	13	11	1	27	2	16	1¾	0	18	0	18	4½	21	2401	0	0	120	1	0	30	0	3
3	7	4	12	10¾	1	26	2	15	1½	0	17	0	17	4¼	22	2515	6	8	125	15	4	31	8	10
3	6	4	11	10½	1	25	2	14	1¼	0	16	0	16	4	23	2629	13	4	131	9	8	32	17	5
3	5	4	10	10¼	1	24	2	13	1	0	15	0	15	3¾	24	2744	0	0	137	4	0	34	6	0
3	4	4	9	10	1	23	2	12	0¾	0	14	0	14	3½	25	2858	6	8	142	18	4	35	14	7
3	3	4	8	9¾	1	22	2	11	0½	0	13	0	13	3¼	26	2972	13	4	148	12	8	37	3	2
3	2	4	7	9½	1	21	2	10	0¼	0	12	0	12	3	27	3087	0	0	154	7	0	38	11	9
3	1	4	6	9¼	1	20	2	9	0	0	11	0	11	2¾	28	3201	6	8	160	1	4	40	0	4
3	0	4	5	9	1	19	2	7	11¾	0	10	0	10	2½	29	3315	13	4	165	15	8	41	8	11
2	27	4	4	8¾	1	18	2	6	11½	0	9	0	9	2¼	30	3430	0	0	171	10	0	42	17	6
2	26	4	3	8½	1	17	2	5	11¼	0	8	0	8	2	31	3544	6	8	177	4	4	44	6	1
2	25	4	2	8¼	1	16	2	4	11	0	7	0	7	1¾	32	3658	13	4	182	18	8	45	14	8
2	24	4	1	8	1	15	2	3	10¾	0	6	0	6	1½	33	3773	0	0	188	13	0	47	3	3
2	23	4	0	7¾	1	14	2	2	10½	0	5	0	5	1¼	34	3887	6	8	194	7	4	48	11	10
2	22	3	19	7½	1	13	2	1	10¼	0	4	0	4	1	35	4001	13	4	200	1	8	50	0	5
2	21	3	18	7¼	1	12	2	0	10	0	3	0	3	0¾	36	4116	0	0	205	16	0	51	9	0
2	20	3	17	7	1	11	1	19	9¾	0	2	0	2	0½	37	4230	6	8	211	10	4	52	17	7
2	19	3	16	6¾	1	10	1	18	9½	0	1	0	1	0¼	38	4344	13	4	217	4	8	54	6	2

Note—1*s*. 0½*d*. per lb.

£121 6s. 8d. per ton, £6 1s. 4d. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£121 6s. 8d. per ton.			£6 1s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., av. £1 10s. 4d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	0	3	2	18	4	0	2	1	9	2	0	1	2	242	13	4	12	2	8	3	0	8
3	26	5	19	2	2	17	3	19	1	1	8	1	19	0	3	364	0	0	18	4	0	4	11	0
3	25	5	18	1	2	16	3	18	0	1	7	1	17	11	4	485	6	8	24	5	4	6	1	4
3	24	5	17	0	2	15	3	16	11	1	6	1	16	10	5	606	13	4	30	6	8	7	11	8
3	23	5	15	11	2	14	3	15	10	1	5	1	15	9	6	728	0	0	36	8	0	9	2	0
3	22	5	14	10	2	13	3	14	9	1	4	1	14	8	7	849	6	8	42	9	4	10	12	4
3	21	5	13	9	2	12	3	13	8	1	3	1	13	7	8	970	13	4	48	10	8	12	2	8
3	20	5	12	8	2	11	3	12	7	1	2	1	12	6	9	1092	0	0	54	12	0	13	13	0
3	19	5	11	7	2	10	3	11	6	1	1	1	11	5	10	1213	6	8	60	13	4	15	3	4
3	18	5	10	6	2	9	3	10	5	1	0	1	10	4	11	1334	13	4	66	14	8	16	13	8
3	17	5	9	5	2	8	3	9	4	0	27	1	9	3	12	1456	0	0	72	16	0	18	4	0
3	16	5	8	4	2	7	3	8	3	0	26	1	8	2	13	1577	6	8	78	17	4	19	14	4
3	15	5	7	3	2	6	3	7	2	0	25	1	7	1	14	1698	13	4	84	18	8	21	4	8
3	14	5	6	2	2	5	3	6	1	0	24	1	6	0	15	1820	0	0	91	0	0	22	15	0
3	13	5	5	1	2	4	3	5	0	0	23	1	4	11	16	1941	6	8	97	1	4	24	5	4
3	12	5	4	0	2	3	3	3	11	0	22	1	3	10	17	2062	13	4	103	2	8	25	15	8
3	11	5	2	11	2	2	3	2	10	0	21	1	2	9	18	2184	0	0	109	4	0	27	6	0
3	10	5	1	10	2	1	3	1	9	0	20	1	1	8	19	2305	6	8	115	5	4	28	16	4
3	9	5	0	9	2	0	3	0	8	0	19	1	0	7	20	2426	13	4	121	6	8	30	6	8
3	8	4	19	8	1	27	2	19	7	0	18	0	19	6	21	2548	0	0	127	8	0	31	17	0
3	7	4	18	7	1	26	2	18	6	0	17	0	18	5	22	2669	6	8	133	9	4	33	7	4
3	6	4	17	6	1	25	2	17	5	0	16	0	17	4	23	2790	13	4	139	10	8	34	17	8
3	5	4	16	5	1	24	2	16	4	0	15	0	16	3	24	2912	0	0	145	12	0	36	8	0
3	4	4	15	4	1	23	2	15	3	0	14	0	15	2	25	3033	6	8	151	13	4	37	18	4
3	3	4	14	3	1	22	2	14	2	0	13	0	14	1	26	3154	13	4	157	14	8	39	8	8
3	2	4	13	2	1	21	2	13	1	0	12	0	13	0	27	3276	0	0	163	16	0	40	19	0
3	1	4	12	1	1	20	2	12	0	0	11	0	11	11	28	3397	6	8	169	17	4	42	9	4
3	0	4	11	0	1	19	2	10	11	0	10	0	10	10	29	3518	13	4	175	18	8	43	19	8
2	27	4	9	11	1	18	2	9	10	0	9	0	9	9	30	3640	0	0	182	0	0	45	10	0
2	26	4	8	10	1	17	2	8	9	0	8	0	8	8	31	3761	6	8	188	1	4	47	0	4
2	25	4	7	9	1	16	2	7	8	0	7	0	7	7	32	3882	13	4	194	2	8	48	10	8
2	24	4	6	8	1	15	2	6	7	0	6	0	6	6	33	4004	0	0	200	4	0	50	1	0
2	23	4	5	7	1	14	2	5	6	0	5	0	5	5	34	4125	6	8	206	5	4	51	11	4
2	22	4	4	6	1	13	2	4	5	0	4	0	4	4	35	4246	13	4	212	6	8	53	1	8
2	21	4	3	5	1	12	2	3	4	0	3	0	3	3	36	4368	0	0	218	8	0	54	12	0
2	20	4	2	4	1	11	2	2	3	0	2	0	2	2	37	4489	6	8	224	9	4	56	2	4
2	19	4	1	3	1	10	2	1	2	0	1	0	1	1	38	4610	13	4	230	10	8	57	12	8

Note—1s. 1d. per lb.

£123 13s. 4d. per ton, £6 3s. 8d. per cwt.

Rate per qr. cwt., stone, and lb.

qr.	lb	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	No.	£123 13s. 4d per ton. £	s.	d.	£6 3s. 8d. per cwt., bushel, day, or yard. £	s.	d.	qr. cwt., peck, ¼ day, ¼ yd., av. £1 10s. 11d. £	s.	d.
3	27	6	2	6¾	2	18	4	1	8½	1	9	2	0	10¼	2	247	6	8	12	7	4	3	1	10
3	26	6	1	5½	2	17	4	0	7¼	1	8	1	19	9	3	371	0	0	18	11	0	4	12	9
3	25	6	0	4¼	2	16	3	19	6	1	7	1	18	7¾	4	494	13	4	24	14	8	6	3	8
3	24	5	19	3	2	15	3	18	4¾	1	6	1	17	6½	5	618	6	8	30	18	4	7	14	7
3	23	5	18	1¾	2	14	3	17	3½	1	5	1	16	5¼	6	742	0	0	37	2	0	9	5	6
3	22	5	17	0¼	2	13	3	16	2¼	1	4	1	15	4	7	865	13	4	43	5	8	10	16	5
3	21	5	15	11¼	2	12	3	15	1	1	3	1	14	2¾	8	989	6	8	49	9	4	12	7	4
3	20	5	14	10	2	11	3	13	11¾	1	2	1	13	1¾	9	1113	0	0	55	13	0	13	18	3
3	19	5	13	8¾	2	10	3	12	10½	1	1	1	12	0¼	10	1236	13	4	61	16	8	15	9	2
3	18	5	12	7½	2	9	3	11	9¼	1	0	1	10	11	11	1360	6	8	68	0	4	17	0	1
3	17	5	11	6¼	2	8	3	10	8	0	27	1	9	9¾	12	1484	0	0	74	4	0	18	11	0
3	16	5	10	5	2	7	3	9	6¾	0	26	1	8	8½	13	1607	13	4	80	7	8	20	1	11
3	15	5	9	3¾	2	6	3	8	5½	0	25	1	7	7¼	14	1731	6	8	86	11	4	21	12	10
3	14	5	8	2½	2	5	3	7	4¼	0	24	1	6	6	15	1855	0	0	92	15	0	23	3	9
3	13	5	7	1¼	2	4	3	6	3	0	23	1	5	4¾	16	1978	13	4	98	18	8	24	14	8
3	12	5	6	0	2	3	3	5	1¾	0	22	1	4	3½	17	2102	6	8	105	2	4	26	5	7
3	11	5	4	10¾	2	2	3	4	0½	0	21	1	3	2¼	18	2226	0	0	111	6	0	27	16	6
3	10	5	3	9½	2	1	3	2	11½	0	20	1	2	1	19	2349	13	4	117	9	8	29	7	5
3	9	5	2	8¼	2	0	3	1	10	0	19	1	0	11¾	20	2473	6	8	123	13	4	30	18	4
3	8	5	1	7	1	27	3	0	8¾	0	18	0	19	10½	21	2597	0	0	129	17	0	32	9	3
3	7	5	0	5¾	1	26	2	19	7½	0	17	0	18	9¼	22	2720	13	4	136	0	8	34	0	2
3	6	4	19	4½	1	25	2	18	6¼	0	16	0	17	8	23	2844	6	8	142	4	4	35	11	1
3	5	4	18	3¼	1	24	2	17	5	0	15	0	16	6¾	24	2968	0	0	148	8	0	37	2	0
3	4	4	17	2	1	23	2	16	3¾	0	14	0	15	5½	25	3091	13	4	154	11	8	38	12	11
3	3	4	16	0¾	1	22	2	15	2½	0	13	0	14	4¼	26	3215	6	8	160	15	4	40	3	10
3	2	4	14	11½	1	21	2	14	1¼	0	12	0	13	3	27	3339	0	0	166	19	0	41	14	9
3	1	4	13	10¼	1	20	2	13	0	0	11	0	12	1¾	28	3462	13	4	173	2	8	43	5	8
3	0	4	12	9	1	19	2	11	10¾	0	10	0	11	0½	29	3586	6	8	179	6	4	44	16	7
2	27	4	11	7¾	1	18	2	10	9½	0	9	0	9	11¼	30	3710	0	0	185	10	0	46	7	6
2	26	4	10	6½	1	17	2	9	8¼	0	8	0	8	10	31	3833	13	4	191	13	8	47	18	5
2	25	4	9	5¼	1	16	2	8	7	0	7	0	7	8¾	32	3957	6	8	197	17	4	49	9	4
2	24	4	8	4	1	15	2	7	5¾	0	6	0	6	7½	33	4081	0	0	204	1	0	51	0	3
2	23	4	7	2¾	1	14	2	6	4½	0	5	0	5	6¼	34	4204	13	4	210	4	8	52	11	2
2	22	4	6	1¼	1	13	2	5	3¼	0	4	0	4	5	35	4328	6	8	216	8	4	54	2	1
2	21	4	5	0¼	1	12	2	4	2	0	3	0	3	3¾	36	4452	0	0	222	12	0	55	13	0
2	20	4	3	11	1	11	2	3	0¾	0	2	0	2	2½	37	4575	13	4	228	15	8	57	3	11
2	19	4	2	9¾	1	10	2	1	11¼	0	1	0	1	1¼	38	4699	6	8	234	19	4	58	14	10

Note—1s. 1¼d. per lb.

£126 per ton, £6 6s. per cwt. — Rate per qr. cwt., stone, and lb.										No.	£126 per ton.			£6 6s. per cwt., bushel, day, or yard.			qr. cwt., rack, ¼ day, ¼ yd., av. £1 11s. 6d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	4	10½	2	18	4	3	3	1	9	2	1	7½	2	252	0	0	12	12	0	3	3	0
3	26	6	3	9	2	17	4	2	1½	1	8	2	0	6	3	378	0	0	18	18	0	4	14	6
3	25	6	2	7½	2	16	4	1	0	1	7	1	19	4½	4	504	0	0	25	4	0	6	6	0
3	24	6	1	6	2	15	3	19	10½	1	6	1	18	3	5	630	0	0	31	10	0	7	17	6
3	23	6	0	4½	2	14	3	18	9	1	5	1	17	1½	6	756	0	0	37	16	0	9	9	0
3	22	5	19	3	2	13	3	17	7½	1	4	1	16	0	7	882	0	0	44	2	0	11	0	6
3	21	5	18	1½	2	12	3	16	6	1	3	1	14	10½	8	1008	0	0	50	8	0	12	12	0
3	20	5	17	0	2	11	3	15	4½	1	2	1	13	9	9	1134	0	0	56	14	0	14	3	6
3	19	5	15	10½	2	10	3	14	3	1	1	1	12	7½	10	1260	0	0	63	0	0	15	15	0
3	18	5	14	9	2	9	3	13	1½	1	0	1	11	6	11	1386	0	0	69	6	0	17	6	6
3	17	5	13	7½	2	8	3	12	0	0	27	1	10	4½	12	1512	0	0	75	12	0	18	18	0
3	16	5	12	6	2	7	3	10	10½	0	26	1	9	3	13	1638	0	0	81	18	0	20	9	6
3	15	5	11	4½	2	6	3	9	9	0	25	1	8	1½	14	1764	0	0	88	4	0	22	1	0
3	14	5	10	3	2	5	3	8	7½	0	24	1	7	0	15	1890	0	0	94	10	0	23	12	6
3	13	5	9	1½	2	4	3	7	6	0	23	1	5	10½	16	2016	0	0	100	16	0	25	4	0
3	12	5	8	0	2	3	3	6	4½	0	22	1	4	9	17	2142	0	0	107	2	0	26	15	6
3	11	5	6	10½	2	2	3	5	3	0	21	1	3	7½	18	2268	0	0	113	8	0	28	7	0
3	10	5	5	9	2	1	3	4	1½	0	20	1	2	6	19	2394	0	0	119	14	0	29	18	6
3	9	5	4	7½	2	0	3	3	0	0	19	1	1	4½	20	2520	0	0	126	0	0	31	10	0
3	8	5	3	6	1	27	3	1	10½	0	18	1	0	3	21	2646	0	0	132	6	0	33	1	6
3	7	5	2	4½	1	26	3	0	9	0	17	0	19	1½	22	2772	0	0	138	12	0	34	13	0
3	6	5	1	3	1	25	2	19	7½	0	16	0	18	0	23	2898	0	0	144	18	0	36	4	6
3	5	5	0	1½	1	24	2	18	6	0	15	0	16	10½	24	3024	0	0	151	4	0	37	16	0
3	4	4	19	0	1	23	2	17	4½	0	14	0	15	9	25	3150	0	0	157	10	0	39	7	6
3	3	4	17	10½	1	22	2	16	3	0	13	0	14	7½	26	3276	0	0	163	16	0	40	19	0
3	2	4	16	9	1	21	2	15	1½	0	12	0	13	6	27	3402	0	0	170	2	0	42	10	6
3	1	4	15	7½	1	20	2	14	0	0	11	0	12	4½	28	3528	0	0	176	8	0	44	2	0
3	0	4	14	6	1	19	2	12	10½	0	10	0	11	3	29	3654	0	0	182	14	0	45	13	6
2	27	4	13	4½	1	18	2	11	9	0	9	0	10	1½	30	3780	0	0	189	0	0	47	5	0
2	26	4	12	3	1	17	2	10	7½	0	8	0	9	0	31	3906	0	0	195	6	0	48	16	6
2	25	4	11	1½	1	16	2	9	6	0	7	0	7	10½	32	4032	0	0	201	12	0	50	8	0
2	24	4	10	0	1	15	2	8	4½	0	6	0	6	9	33	4158	0	0	207	18	0	51	19	6
2	23	4	8	10½	1	14	2	7	3	0	5	0	5	7½	34	4284	0	0	214	4	0	53	11	0
2	22	4	7	9	1	13	2	6	1½	0	4	0	4	6	35	4410	0	0	220	10	0	55	2	6
2	21	4	6	7½	1	12	2	5	0	0	3	0	3	4½	36	4536	0	0	226	16	0	56	14	0
2	20	4	5	6	1	11	2	3	10½	0	2	0	2	3	37	4662	0	0	233	2	0	58	5	6
2	19	4	4	4½	1	10	2	2	9	0	1	0	1	1½	38	4788	0	0	239	8	0	59	17	6

Note—1s. 1½d. per lb.

£128 6s. 8d. per ton, £6 8s. 4d. per cwt. Rate per qr. cwt., stone, and lb.											No.	£128 6s. 8d. per ton.			£6 8s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yd, av. £1 12s. 1d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	7	2½	2	18	4	4	9½	1	9	2	2	4½	2	256	13	4	12	16	8	3	4	2
3	26	6	6	0½	2	17	4	3	7½	1	8	2	1	3	3	385	0	0	19	5	0	4	16	3
3	25	6	4	10½	2	16	4	2	6	1	7	2	0	1½	4	513	6	8	25	13	4	6	8	4
3	24	6	3	9	2	15	4	1	4½	1	6	1	18	11½	5	641	13	4	32	1	8	8	0	5
3	23	6	2	7½	2	14	4	0	2½	1	5	1	17	9½	6	770	0	0	38	10	0	9	12	6
3	22	6	1	5½	2	13	3	19	0½	1	4	1	16	8	7	898	6	8	44	18	4	11	4	7
3	21	6	0	3½	2	12	3	17	11	1	3	1	15	6½	8	1026	13	4	51	6	8	12	16	8
3	20	5	19	2	2	11	3	16	9½	1	2	1	14	4½	9	1155	0	0	57	15	0	14	8	9
3	19	5	18	0½	2	10	3	15	7½	1	1	1	13	2½	10	1283	6	8	64	3	4	16	0	10
3	18	5	16	10½	2	9	3	14	5½	1	0	1	12	1	11	1411	13	4	70	11	8	17	12	11
3	17	5	15	8½	2	8	3	13	4	0	27	1	10	11½	12	1540	0	0	77	0	0	19	5	0
3	16	5	14	7	2	7	3	12	2½	0	26	1	9	9½	13	1668	6	8	83	8	4	20	17	1
3	15	5	13	5½	2	6	3	11	0½	0	25	1	8	7½	14	1796	13	4	89	16	8	22	9	2
3	14	5	12	3½	2	5	3	9	10½	0	24	1	7	6	15	1925	0	0	96	5	0	24	1	3
3	13	5	11	1½	2	4	3	8	9	0	23	1	6	4½	16	2053	6	8	102	13	4	25	13	4
3	12	5	10	0	2	3	3	7	7½	0	22	1	5	2½	17	2181	13	4	109	1	8	27	5	5
3	11	5	8	10½	2	2	3	6	5½	0	21	1	4	0½	18	2310	0	0	115	10	0	28	17	6
3	10	5	7	8½	2	1	3	5	3½	0	20	1	2	11	19	2438	6	8	121	18	4	30	9	7
3	9	5	6	6½	2	0	3	4	2	0	19	1	1	9½	20	2566	13	4	128	6	8	32	1	8
3	8	5	5	5	1	27	3	3	0½	0	18	1	0	7½	21	2695	0	0	134	15	0	33	13	9
3	7	5	4	3½	1	26	3	1	10½	0	17	0	19	5½	22	2823	6	8	141	3	4	35	5	10
3	6	5	3	1½	1	25	3	0	8½	0	16	0	18	4	23	2951	13	4	147	11	8	36	17	11
3	5	5	1	11½	1	24	2	19	7	0	15	0	17	2½	24	3080	0	0	154	0	0	38	10	0
3	4	5	0	10	1	23	2	18	5½	0	14	0	16	0½	25	3208	6	8	160	8	4	40	2	1
3	3	4	19	8½	1	22	2	17	3½	0	13	0	14	10½	26	3336	13	4	166	16	8	41	14	2
3	2	4	18	6½	1	21	2	16	2½	0	12	0	13	9	27	3465	0	0	173	5	0	43	6	3
3	1	4	17	4½	1	20	2	15	0	0	11	0	12	7½	28	3593	6	8	179	13	4	44	18	4
3	0	4	16	3	1	19	2	13	10½	0	10	0	11	5½	29	3721	13	4	186	1	8	46	10	5
2	27	4	15	1½	1	18	2	12	8½	0	9	0	10	3½	30	3850	0	0	192	10	0	48	2	6
2	26	4	13	11½	1	17	2	11	6½	0	8	0	9	2	31	3978	6	8	198	18	4	49	14	7
2	25	4	12	9½	1	16	2	10	5	0	7	0	8	0½	32	4106	13	4	205	6	8	51	6	8
2	24	4	11	8	1	15	2	9	3½	0	6	0	6	10½	33	4235	0	0	211	15	0	52	18	9
2	23	4	10	6½	1	14	2	8	1½	0	5	0	5	8½	34	4363	6	8	218	3	4	54	10	10
2	22	4	9	4½	1	13	2	6	11½	0	4	0	4	7	35	4491	13	4	224	11	8	56	2	11
2	21	4	8	2½	1	12	2	5	10	0	3	0	3	5½	36	4620	0	0	231	0	0	57	15	0
2	20	4	7	1	1	11	2	4	8½	0	2	0	2	3½	37	4748	6	8	237	8	4	59	7	1
2	19	4	5	11½	1	10	2	3	6½	0	1	0	1	1½	38	4876	13	4	243	16	8	60	19	2

Note—1s. 1½d. per lb.

£130 13s. 4d. per ton, £6 10s. 8d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£130 13s. 4d. per ton.			£6 10s. 8d. per cwt., bushel, day, or yard.			£ qr. cwt., peck, ¼ day, ¼ yard., av. £1 12s. 8d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.																		
3	27	6	9	6	2	18	4	6	4	1	9	2	3	2	2	261	6	8	13	1	4	3	5	4
3	26	6	8	4	2	17	4	5	2	1	8	2	2	0	3	392	0	0	19	12	0	4	18	0
3	25	6	7	2	2	16	4	4	0	1	7	2	0	10	4	522	13	4	26	2	8	6	10	8
3	24	6	6	0	2	15	4	2	10	1	6	1	19	8	5	653	6	8	32	13	4	8	3	4
3	23	6	4	10	2	14	4	1	8	1	5	1	18	6	6	784	0	0	39	4	0	9	16	0
3	22	6	3	8	2	13	4	0	6	1	4	1	17	4	7	914	13	4	45	14	8	11	8	8
3	21	6	2	6	2	12	3	19	4	1	3	1	16	2	8	1045	6	8	52	5	4	13	1	4
3	20	6	1	4	2	11	3	18	2	1	2	1	15	0	9	1176	0	0	58	16	0	14	14	0
3	19	6	0	2	2	10	3	17	0	1	1	1	13	10	10	1306	13	4	65	6	8	16	6	8
3	18	5	19	0	2	9	3	15	10	1	0	1	12	8	11	1437	6	8	71	17	4	17	19	4
3	17	5	17	10	2	8	3	14	8	0	27	1	11	6	12	1568	0	0	78	8	0	19	12	0
3	16	5	16	8	2	7	3	13	6	0	26	1	10	4	13	1698	13	4	84	18	8	21	4	8
3	15	5	15	6	2	6	3	12	4	0	25	1	9	2	14	1829	6	8	91	9	4	22	17	4
3	14	5	14	4	2	5	3	11	2	0	24	1	8	0	15	1960	0	0	98	0	0	24	10	0
3	13	5	13	2	2	4	3	10	0	0	23	1	6	10	16	2090	13	4	104	10	8	26	2	8
3	12	5	12	0	2	3	3	8	10	0	22	1	5	8	17	2221	6	8	111	1	4	27	15	4
3	11	5	10	10	2	2	3	7	8	0	21	1	4	6	18	2352	0	0	117	12	0	29	8	0
3	10	5	9	8	2	1	3	6	6	0	20	1	3	4	19	2482	13	4	124	2	8	31	0	8
3	9	5	8	6	2	0	3	5	4	0	19	1	2	2	20	2613	6	8	130	13	4	32	13	4
3	8	5	7	4	1	27	3	4	2	0	18	1	1	0	21	2744	0	0	137	4	0	34	6	0
3	7	5	6	2	1	26	3	3	0	0	17	0	19	10	22	2874	13	4	143	14	8	35	18	8
3	6	5	5	0	1	25	3	1	10	0	16	0	18	8	23	3005	6	8	150	5	4	37	11	4
3	5	5	3	10	1	24	3	0	8	0	15	0	17	6	24	3136	0	0	156	16	0	39	4	0
3	4	5	2	8	1	23	2	19	6	0	14	0	16	4	25	3266	13	4	163	6	8	40	16	8
3	3	5	1	6	1	22	2	18	4	0	13	0	15	2	26	3397	6	8	169	17	4	42	9	4
3	2	5	0	4	1	21	2	17	2	0	12	0	14	0	27	3528	0	0	176	8	0	44	2	0
3	1	4	19	2	1	20	2	16	0	0	11	0	12	10	28	3658	13	4	182	18	8	45	14	8
3	0	4	18	0	1	19	2	14	10	0	10	0	11	8	29	3789	6	8	189	9	4	47	7	4
2	27	4	16	10	1	18	2	13	8	0	9	0	10	6	30	3920	0	0	196	0	0	49	0	0
2	26	4	15	8	1	17	2	12	6	0	8	0	9	4	31	4050	13	4	202	10	8	50	12	8
2	25	4	14	6	1	16	2	11	4	0	7	0	8	2	32	4181	6	8	209	1	4	52	5	4
2	24	4	13	4	1	15	2	10	2	0	6	0	7	0	33	4312	0	0	215	12	0	53	18	0
2	23	4	12	2	1	14	2	9	0	0	5	0	5	10	34	4442	13	4	222	2	8	55	10	8
2	22	4	11	0	1	13	2	7	10	0	4	0	4	8	35	4573	6	8	228	13	4	57	3	4
2	21	4	9	10	1	12	2	6	8	0	3	0	3	6	36	4704	0	0	235	4	0	58	16	0
2	20	4	8	8	1	11	2	5	6	0	2	0	2	4	37	4834	13	4	241	14	8	60	8	8
2	19	4	7	6	1	10	2	4	4	0	1	0	1	2	38	4965	6	8	248	5	4	62	1	4

Note—1s. 2d. per lb.

£133 per ton, £6 13s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£133 per ton.	£6 13s. per cwt., bushel, day, or yard.		qr. cwt., peck, ¼ day ¼ yard, av. £1 13s. 3d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	11	9¾	2	18	4	7	10⅝	1	9	2	3	11¼	2	266	0	0	13	6	0	3	6	6
3	26	6	10	7½	2	17	4	6	8¼	1	8	2	2	9	3	399	0	0	19	19	0	4	19	9
3	25	6	9	5¼	2	16	4	5	6	1	7	2	1	6¾	4	532	0	0	26	12	0	6	13	0
3	24	6	8	3	2	15	4	4	3¾	1	6	2	0	4½	5	665	0	0	33	5	0	8	6	3
3	23	6	7	0¾	2	14	4	3	1⅝	1	5	1	19	2¼	6	798	0	0	39	18	0	9	19	6
3	22	6	5	10½	2	13	4	1	11¼	1	4	1	18	0	7	931	0	0	46	11	0	11	12	9
3	21	6	4	8¼	2	12	4	0	9	1	3	1	16	9¾	8	1064	0	0	53	4	0	13	6	0
3	20	6	3	6	2	11	3	19	6¾	1	2	1	15	7½	9	1197	0	0	59	17	0	14	19	3
3	19	6	2	3¾	2	10	3	18	4⅝	1	1	1	14	5¼	10	1330	0	0	66	10	0	16	12	6
3	18	6	1	1½	2	9	3	17	2¼	1	0	1	13	3	11	1463	0	0	73	3	0	18	5	9
3	17	5	19	11¼	2	8	3	16	0	0	27	1	12	0¾	12	1596	0	0	79	16	0	19	19	0
3	16	5	18	9	2	7	3	14	9¾	0	26	1	10	10⅝	13	1729	0	0	86	9	0	21	12	3
3	15	5	17	6¾	2	6	3	13	7⅝	0	25	1	9	8¼	14	1862	0	0	93	2	0	23	5	6
3	14	5	16	4½	2	5	3	12	5¼	0	24	1	8	6	15	1995	0	0	99	15	0	24	18	9
3	13	5	15	2¼	2	4	3	11	3	0	23	1	7	3¾	16	2128	0	0	106	8	0	26	12	0
3	12	5	14	0	2	3	3	10	0¾	0	22	1	6	1⅝	17	2261	0	0	113	1	0	28	5	3
3	11	5	12	9¾	2	2	3	8	10½	0	21	1	4	11¼	18	2394	0	0	119	14	0	29	18	6
3	10	5	11	7½	2	1	3	7	8¼	0	20	1	3	9	19	2527	0	0	126	7	0	31	11	9
3	9	5	10	5¼	2	0	3	6	6	0	19	1	2	6¾	20	2660	0	0	133	0	0	33	5	0
3	8	5	9	3	1	27	3	5	3¾	0	18	1	1	4½	21	2793	0	0	139	13	0	34	18	3
3	7	5	8	0¾	1	26	3	4	1⅝	0	17	1	0	2¼	22	2926	0	0	146	6	0	36	11	6
3	6	5	6	10½	1	25	3	2	11¼	0	16	0	19	0	23	3059	0	0	152	19	0	38	4	9
3	5	5	5	8¼	1	24	3	1	9	0	15	0	18	9¾	24	3192	0	0	159	12	0	39	18	0
3	4	5	4	6	1	23	3	0	6¾	0	14	0	16	7½	25	3325	0	0	166	5	0	41	11	3
3	3	5	3	3¾	1	22	2	19	4⅝	0	13	0	15	5¼	26	3458	0	0	172	18	0	43	4	6
3	2	5	2	1½	1	21	2	18	2¼	0	12	0	14	3	27	3591	0	0	179	11	0	44	17	9
3	1	5	0	11¼	1	20	2	17	0	0	11	0	13	0¾	28	3724	0	0	186	4	0	46	11	0
3	0	4	19	9	1	19	2	15	9¾	0	10	0	11	10⅝	29	3857	0	0	192	17	0	48	4	3
2	27	4	18	6¾	1	18	2	14	7½	0	9	0	10	8¼	30	3990	0	0	199	10	0	49	17	6
2	26	4	17	4½	1	17	2	13	5¼	0	8	0	9	6	31	4123	0	0	206	3	0	51	10	9
2	25	4	16	2¼	1	16	2	12	3	0	7	0	8	3¾	32	4256	0	0	212	16	0	53	4	0
2	24	4	15	0	1	15	2	11	0¾	0	6	0	7	1⅝	33	4389	0	0	219	9	0	54	17	3
2	23	4	13	9¾	1	14	2	9	10½	0	5	0	5	11¼	34	4522	0	0	226	2	0	56	10	6
2	22	4	12	7⅛	1	13	2	8	8¼	0	4	0	4	9	35	4655	0	0	232	15	0	58	3	9
2	21	4	11	5¼	1	12	2	7	6	0	3	0	3	6¾	36	4788	0	0	239	8	0	59	17	0
2	20	4	10	3	1	11	2	6	3¾	0	2	0	2	4½	37	4921	0	0	246	1	0	61	10	3
2	19	4	9	0¾	1	10	2	5	1⅝	0	1	0	1	2¼	38	5054	0	0	252	14	0	63	3	6

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Note—1s. 2¼d. per lb.

£135 6s.8d. per ton, £6 15s.4d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£135 6s.8d. per ton.			£6 15s.4d. per cwt., bushel, day, or yard.			qr. cwt. stone, ¼ day, ¼ yd., av. 2s 13s.10d.		
qr	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	14	1½	2	18	4	9	5	1	9	2	4	8½	2	270	13	4	13	10	8	3	7	8
3	26	6	12	11	2	17	4	8	2½	1	8	2	3	6	3	406	0	0	20	6	0	5	1	6
3	25	6	11	8½	2	16	4	7	0	1	7	2	2	3½	4	541	6	8	27	1	4	6	15	4
3	24	6	10	6	2	15	4	5	9½	1	6	2	1	1	5	676	13	4	33	16	8	8	9	2
3	23	6	9	3½	2	14	4	4	7	1	5	1	19	10½	6	812	0	0	40	12	0	10	3	0
3	22	6	8	1	2	13	4	3	4½	1	4	1	18	8	7	947	6	8	47	7	4	11	16	10
3	21	6	6	10½	2	12	4	2	2	1	3	1	17	5½	8	1082	13	4	54	2	8	13	10	8
3	20	6	5	8	2	11	4	0	11½	1	2	1	16	3	9	1218	0	0	60	18	0	15	4	6
3	19	6	4	5½	2	10	3	19	9	1	1	1	15	0½	10	1353	6	8	67	13	4	16	18	4
3	18	6	3	3	2	9	3	18	6½	1	0	1	13	10	11	1488	13	4	74	8	8	18	12	2
3	17	6	2	0½	2	8	3	17	4	0	27	1	12	7½	12	1624	0	0	81	4	0	20	6	0
3	16	6	1	10	2	7	3	16	1½	0	26	1	11	5	13	1759	6	8	87	19	4	21	19	10
3	15	5	19	7½	2	6	3	14	11	0	25	1	10	2½	14	1894	13	4	94	14	8	23	13	8
3	14	5	18	5	2	5	3	13	8½	0	24	1	9	0	15	2030	0	0	101	10	0	25	7	6
3	13	5	17	2½	2	4	3	12	6	0	23	1	7	9½	16	2165	6	8	108	5	4	27	1	4
3	12	5	16	0	2	3	3	11	3½	0	22	1	6	7	17	2300	13	4	115	0	8	28	15	2
3	11	5	14	9½	2	2	3	10	1	0	21	1	5	4½	18	2436	0	0	121	16	0	30	9	0
3	10	5	13	7	2	1	3	9	10½	0	20	1	4	2	19	2571	6	8	128	11	4	32	2	10
3	9	5	12	4½	2	0	3	7	8	0	19	1	2	11½	20	2706	13	4	135	6	8	33	16	8
3	8	5	11	2	1	27	3	6	5½	0	18	1	1	9	21	2842	0	0	142	2	0	35	10	6
3	7	5	9	11½	1	26	3	5	3	0	17	1	0	6½	22	2977	6	8	148	17	4	37	4	4
3	6	5	8	9	1	25	3	4	0½	0	16	0	19	4	23	3112	13	4	155	12	8	38	18	2
3	5	5	7	6½	1	24	3	2	10	0	15	0	18	1½	24	3248	0	0	162	8	0	40	12	0
3	4	5	6	4	1	23	3	1	7½	0	14	0	16	11	25	3383	6	8	169	3	4	42	5	10
3	3	5	5	1½	1	22	3	0	5	0	13	0	15	8½	26	3518	13	4	175	18	8	43	19	8
3	2	5	3	11	1	21	2	19	2½	0	12	0	14	6	27	3654	0	0	182	14	0	45	13	6
3	1	5	2	8½	1	20	2	18	0	0	11	0	13	3½	28	3789	6	8	189	9	4	47	7	4
3	0	5	1	6	1	19	2	16	9½	0	10	0	12	1	29	3924	13	4	196	4	8	49	1	2
2	27	5	0	3½	1	18	2	15	7	0	9	0	10	10½	30	4060	0	0	203	0	0	50	15	0
2	26	4	19	1	1	17	2	14	4½	0	8	0	9	8	31	4195	6	8	209	15	4	52	8	10
2	25	4	17	10½	1	16	2	13	2	0	7	0	8	5½	32	4330	13	4	216	10	8	54	2	8
2	24	4	16	8	1	15	2	11	11½	0	6	0	7	3	33	4466	0	0	223	6	0	55	16	6
2	23	4	15	5½	1	14	2	10	9	0	5	0	6	0½	34	4601	6	8	230	1	4	57	10	4
2	22	4	14	3	1	13	2	9	6½	0	4	0	4	10	35	4736	13	4	236	16	8	59	4	2
2	21	4	13	0½	1	12	2	8	4	0	3	0	3	7½	36	4872	0	0	243	12	0	60	18	0
2	20	4	11	10	1	11	2	7	1½	0	2	0	2	5	37	5007	6	8	250	7	4	62	11	10
2	19	4	10	7½	1	10	2	5	11	0	1	0	1	2½	38	5142	13	4	257	2	8	64	5	8

Note—1s. 2½d. per lb.

£137 13*s.* 4*d.* per ton, £6 17*s.* 8*d.* per cwt.																								
Rate per qr. cwt., stone, and lb.																								
													No.	£137 13*s.*4*d* per ton.			£6 17*s.*8*d.* per cwt., bushel, day, or yard.			£ qr. cwt., peck, ½ day, ½ yd., av. £1 14*s.* 5*d.*		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	6	16	5¼	2	18	4	10	11½	1	9	2	5	5¾	2	275	6	8	13	15	4	3	8	10
3	26	6	15	2½	2	17	4	9	8¾	1	8	2	4	3	3	413	0	0	20	13	0	5	3	3
3	25	6	13	11¾	2	16	4	8	6	1	7	2	3	0¼	4	550	13	4	27	10	8	6	17	8
3	24	6	12	9	2	15	4	7	3¼	1	6	2	1	9½	5	688	6	8	34	8	4	8	12	1
3	23	6	11	6¼	2	14	4	6	0½	1	5	2	0	6¾	6	826	0	0	41	6	0	10	6	6
3	22	6	10	3½	2	13	4	4	9¾	1	4	1	19	4	7	963	13	4	48	3	8	12	0	11
3	21	6	9	0¾	2	12	4	3	7	1	3	1	18	1¼	8	1101	6	8	55	1	4	13	15	4
3	20	6	7	10	2	11	4	2	4¼	1	2	1	16	10½	9	1239	0	0	61	19	0	15	9	9
3	19	6	6	7¼	2	10	4	1	1¼	1	1	1	15	7¾	10	1376	13	4	68	16	8	17	4	2
3	18	6	5	4½	2	9	3	19	10¾	1	0	1	14	5	11	1514	6	8	75	14	4	18	18	7
3	17	6	4	1¾	2	8	3	18	8	0	27	1	13	2¼	12	1652	0	0	82	12	0	20	13	0
3	16	6	2	11	2	7	3	17	5¼	0	26	1	11	11½	13	1789	13	4	89	9	8	22	7	5
3	15	6	1	8¼	2	6	3	16	2¾	0	25	1	10	8¾	14	1927	6	8	96	7	4	24	1	10
3	14	6	0	5½	2	5	3	14	11¾	0	24	1	9	6	15	2065	0	0	103	5	0	25	16	3
3	13	5	19	2¾	2	4	3	13	9	0	23	1	8	3¼	16	2202	13	4	110	2	8	27	10	8
3	12	5	18	0	2	3	3	12	6¼	0	22	1	7	0½	17	2340	6	8	117	0	4	29	5	1
3	11	5	16	9¼	2	2	3	11	3¾	0	21	1	5	9¾	18	2478	0	0	123	18	0	30	19	6
3	10	5	15	6½	2	1	3	10	0¾	0	20	1	4	7	19	2615	13	4	130	15	8	32	13	11
3	9	5	14	3¾	2	0	3	8	10	0	19	1	3	4¼	20	2753	6	8	137	13	4	34	8	4
3	8	5	13	1	1	27	3	7	7¼	0	18	1	2	1½	21	2891	0	0	144	11	0	36	2	9
3	7	5	11	10½	1	26	3	6	4¼	0	17	1	0	10¾	22	3028	13	4	151	8	8	37	17	2
3	6	5	10	7¾	1	25	3	5	1¾	0	16	0	19	8	23	3166	6	8	158	6	4	39	11	7
3	5	5	9	4¾	1	24	3	3	11	0	15	0	18	5¼	24	3304	0	0	165	4	0	41	6	0
3	4	5	8	2	1	23	3	2	8¼	0	14	0	17	2¾	25	3441	13	4	172	1	8	43	0	5
3	3	5	6	11¼	1	22	3	1	5¼	0	13	0	15	11¾	26	3579	6	8	178	19	4	44	14	10
3	2	5	5	8¾	1	21	3	0	2¾	0	12	0	14	9	27	3717	0	0	185	17	0	46	9	3
3	1	5	4	5¾	1	20	2	19	0	0	11	0	13	6¾	28	3854	13	4	192	14	8	48	3	8
3	0	5	3	3	1	19	2	17	9¼	0	10	0	12	3¾	29	3992	6	8	199	12	4	49	18	1
2	27	5	2	0¼	1	18	2	16	6¼	0	9	0	11	0¾	30	4130	0	0	206	10	0	51	12	6
2	26	5	0	9½	1	17	2	15	3¾	0	8	0	9	10	31	4267	13	4	213	7	8	53	6	11
2	25	4	19	6¾	1	16	2	14	1	0	7	0	8	7¼	32	4405	6	8	220	5	4	55	1	4
2	24	4	18	4	1	15	2	12	10¼	0	6	0	7	4¼	33	4543	0	0	227	3	0	56	15	9
2	23	4	17	1½	1	14	2	11	7¼	0	5	0	6	1¾	34	4680	13	4	234	0	8	58	10	2
2	22	4	15	10½	1	13	2	10	4¾	0	4	0	4	11	35	4818	6	8	240	18	4	60	4	7
2	21	4	14	7¾	1	12	2	9	2	0	3	0	3	8¼	36	4956	0	0	247	16	0	61	19	0
2	20	4	13	5	1	11	2	7	11¼	0	2	0	2	5½	37	5093	13	4	254	13	8	63	13	5
2	19	4	12	2¼	1	10	2	6	8½	0	1	0	1	2¾	38	5231	6	8	261	11	4	65	7	10

Note—1*s.* 2¾*d.* per lb.

£140 per ton, £7 per cwt.

Rate per qr. cwt., stone, and lb.

qr.	lb	£	s.	d.	qr	lb.	£	s.	d.	qr.	lb.	£	s.	d.
3	27	6	18	9	2	18	4	12	6	1	9	2	6	3
3	26	6	17	6	2	17	4	11	3	1	8	2	5	0
3	25	6	16	3	2	16	4	10	0	1	7	2	3	9
3	24	6	15	0	2	15	4	8	9	1	6	2	2	6
3	23	6	13	9	2	14	4	7	6	1	5	2	1	3
3	22	6	12	6	2	13	4	6	3	1	4	2	0	0
3	21	6	11	3	2	12	4	5	0	1	3	1	18	9
3	20	6	10	0	2	11	4	3	9	1	2	1	17	6
3	19	6	8	9	2	10	4	2	6	1	1	1	16	3
3	18	6	7	6	2	9	4	1	3	1	0	1	15	0
3	17	6	6	3	2	8	4	0	0	0	27	1	13	9
3	16	6	5	0	2	7	3	18	9	0	26	1	12	6
3	15	6	3	9	2	6	3	17	6	0	25	1	11	3
3	14	6	2	6	2	5	3	16	3	0	24	1	10	0
3	13	6	1	3	2	4	3	15	0	0	23	1	8	9
3	12	6	0	0	2	3	3	13	9	0	22	1	7	6
3	11	5	18	9	2	2	3	12	6	0	21	1	6	3
3	10	5	17	6	2	1	3	11	3	0	20	1	5	0
3	9	5	16	3	2	0	3	10	0	0	19	1	3	9
3	8	5	15	0	1	27	3	8	9	0	18	1	2	6
3	7	5	13	9	1	26	3	7	6	0	17	1	1	3
3	6	5	12	6	1	25	3	6	3	0	16	1	0	0
3	5	5	11	3	1	24	3	5	0	0	15	0	18	9
3	4	5	10	0	1	23	3	3	9	0	14	0	17	6
3	3	5	8	9	1	22	3	2	6	0	13	0	16	3
3	2	5	7	6	1	21	3	1	3	0	12	0	15	0
3	1	5	6	3	1	20	3	0	0	0	11	0	13	9
3	0	5	5	0	1	19	2	18	9	0	10	0	12	6
2	27	5	3	9	1	18	2	17	6	0	9	0	11	3
2	26	5	2	6	1	17	2	16	3	0	8	0	10	0
2	25	5	1	3	1	16	2	15	0	0	7	0	8	9
2	24	5	0	0	1	15	2	13	9	0	6	0	7	6
2	23	4	18	9	1	14	2	12	6	0	5	0	6	3
2	22	4	17	6	1	13	2	11	3	0	4	0	5	0
2	21	4	16	3	1	12	2	10	0	0	3	0	3	9
2	20	4	15	0	1	11	2	8	9	0	2	0	2	6
2	19	4	13	9	1	10	2	7	6	0	1	0	1	3

No.	£140 per ton. £	s.	d.	£7 per cwt., bushel, day, or yard. £	s.	d.	qr. cwt., neck, ¼ day, ¼ yd., qr. £1 15s. £	s.	d.
2	280	0	0	14	0	0	3	10	0
3	420	0	0	21	0	0	5	5	0
4	560	0	0	28	0	0	7	0	0
5	700	0	0	35	0	0	8	15	0
6	840	0	0	42	0	0	10	10	0
7	980	0	0	49	0	0	12	5	0
8	1120	0	0	56	0	0	14	0	0
9	1260	0	0	63	0	0	15	15	0
10	1400	0	0	70	0	0	17	10	0
11	1540	0	0	77	0	0	19	5	0
12	1680	0	0	84	0	0	21	0	0
13	1820	0	0	91	0	0	22	15	0
14	1960	0	0	98	0	0	24	10	0
15	2100	0	0	105	0	0	26	5	0
16	2240	0	0	112	0	0	28	0	0
17	2380	0	0	119	0	0	29	15	0
18	2520	0	0	126	0	0	31	10	0
19	2660	0	0	133	0	0	33	5	0
20	2800	0	0	140	0	0	35	0	0
21	2940	0	0	147	0	0	36	15	0
22	3080	0	0	154	0	0	38	10	0
23	3220	0	0	161	0	0	40	5	0
24	3360	0	0	168	0	0	42	0	0
25	3500	0	0	175	0	0	43	15	0
26	3640	0	0	182	0	0	45	10	0
27	3780	0	0	189	0	0	47	5	0
28	3920	0	0	196	0	0	49	0	0
29	4060	0	0	203	0	0	50	15	0
30	4200	0	0	210	0	0	52	10	0
31	4340	0	0	217	0	0	54	5	0
32	4480	0	0	224	0	0	56	0	0
33	4620	0	0	231	0	0	57	15	0
34	4760	0	0	238	0	0	59	10	0
35	4900	0	0	245	0	0	61	5	0
36	5040	0	0	252	0	0	63	0	0
37	5180	0	0	259	0	0	64	15	0
38	5320	0	0	266	0	0	66	10	0

Note—1*s.* 3*d.* per lb.

£142 6s. 8d. per ton, £7 2s. 4d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£142 6s. 8d. per ton.			£7 2s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, 1 yd., av. £1 15s. 7d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	7	1	0¾	2	18	4	14	0¼	1	9	2	7	0½	2	284	13	4	14	4	8	3	11	2
3	26	6	19	9½	2	17	4	12	9¼	1	8	2	5	9	3	427	0	0	21	7	0	5	6	9
3	25	6	18	6¼	2	16	4	11	6	1	7	2	4	5¾	4	569	6	8	28	9	4	7	2	4
3	24	6	17	3	2	15	4	10	2¾	1	6	2	3	2½	5	711	13	4	35	11	8	8	17	11
3	23	6	15	11¾	2	14	4	8	11½	1	5	2	1	11¼	6	854	0	0	42	14	0	10	13	6
3	22	6	14	8½	2	13	4	7	8¼	1	4	2	0	8	7	996	6	8	49	16	4	12	9	1
3	21	6	13	5¼	2	12	4	6	5	1	3	1	19	4¾	8	1138	13	4	56	18	8	14	4	8
3	20	6	12	2	2	11	4	5	1¾	1	2	1	18	1½	9	1281	0	0	64	1	0	16	0	3
3	19	6	10	10¾	2	10	4	3	10½	1	1	1	16	10¼	10	1423	6	8	71	3	4	17	15	10
3	18	6	9	7½	2	9	4	2	7¼	1	0	1	15	7	11	1565	13	4	78	5	8	19	11	5
3	17	6	8	4¼	2	8	4	1	4	0	27	1	14	3¾	12	1708	0	0	85	8	0	21	7	0
3	16	6	7	1	2	7	3	19	0¾	0	26	1	13	0½	13	1850	6	8	92	10	4	23	2	7
3	15	6	5	9¾	2	6	3	18	9½	0	25	1	11	9¼	14	1992	13	4	99	12	8	24	18	2
3	14	6	4	6½	2	5	3	17	6¼	0	24	1	10	6	15	2135	0	0	106	15	0	26	13	9
3	13	6	3	3¼	2	4	3	16	3	0	23	1	9	2¾	16	2277	6	8	113	17	4	28	9	4
3	12	6	2	0	2	3	3	14	11¾	0	22	1	7	11¼	17	2419	13	4	120	19	8	30	4	11
3	11	6	0	8¾	2	2	3	13	8¼	0	21	1	6	8½	18	2562	0	0	128	2	0	32	0	6
3	10	5	19	5½	2	1	3	12	5¼	0	20	1	5	5	19	2704	6	8	135	4	4	33	16	1
3	9	5	18	2¼	2	0	3	11	2	0	19	1	4	1¾	20	2846	13	4	142	6	8	35	12	8
3	8	5	16	11	1	27	3	9	10¾	0	18	1	2	10½	21	2989	0	0	149	9	0	37	7	3
3	7	5	15	7¾	1	26	3	8	7¼	0	17	1	1	7¼	22	3131	6	8	156	11	4	39	2	10
3	6	5	14	4½	1	25	3	7	4¼	0	16	1	0	4	23	3273	13	4	163	13	8	40	18	5
3	5	5	13	1¼	1	24	3	6	1	0	15	0	19	0¾	24	3416	0	0	170	16	0	42	14	0
3	4	5	11	10	1	23	3	4	9¾	0	14	0	17	9½	25	3558	6	8	177	18	4	44	9	7
3	3	5	10	6¾	1	22	3	3	6½	0	13	0	16	6¼	26	3700	13	4	185	0	8	46	5	2
3	2	5	9	3½	1	21	3	2	3¼	0	12	0	15	3	27	3843	0	0	192	3	0	48	0	9
3	1	5	8	0¼	1	20	3	1	0	0	11	0	13	11¾	28	3985	6	8	199	5	4	49	16	4
3	0	5	6	9	1	19	2	19	8¾	0	10	0	12	8¼	29	4127	13	4	206	7	8	51	11	11
2	27	5	5	5¾	1	18	2	18	5½	0	9	0	11	5¼	30	4270	0	0	213	10	0	53	7	6
2	26	5	4	2¾	1	17	2	17	2¼	0	8	0	10	2	31	4412	6	8	220	12	4	55	3	1
2	25	5	2	11¼	1	16	2	15	11	0	7	0	8	10¾	32	4554	13	4	227	14	8	56	18	8
2	24	5	1	8	1	15	2	14	7¾	0	6	0	7	7½	33	4697	0	0	234	17	0	58	14	3
2	23	5	0	4¾	1	14	2	13	4½	0	5	0	6	4¼	34	4839	6	8	241	19	4	60	9	10
2	22	4	19	1¾	1	13	2	12	1¼	0	4	0	5	1	35	4981	13	4	249	1	8	62	5	5
2	21	4	17	10½	1	12	2	10	10	0	3	0	3	9¾	36	5124	0	0	256	4	0	64	1	0
2	20	4	16	7	1	11	2	9	6¾	0	2	0	2	6½	37	5266	6	8	263	6	4	65	16	7
2	19	4	15	3¾	1	10	2	8	3½	0	1	0	1	3¼	38	5408	13	4	270	8	8	67	12	2

Note—1s. 3¼d. per lb.

£144 13s. 4d. per ton, £7 4s. 8d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£144 13s. 4d. per ton.			£7 4s. 8d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. £1 16s. 2d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	£	s.	d.	£	s.	d.
3	27	7	3	4½	2	18	4	15	7	1	9	2	7	9½	2	289	6	8	14	9	4	3	12	4
3	26	7	2	1	2	17	4	14	3½	1	8	2	6	6	3	434	0	0	21	14	0	5	8	6
3	25	7	0	9½	2	16	4	13	0	1	7	2	5	2½	4	578	13	4	28	18	8	7	4	8
3	24	6	19	6	2	15	4	11	8½	1	6	2	3	11	5	723	6	8	36	3	4	9	0	10
3	23	6	18	2½	2	14	4	10	5	1	5	2	2	7½	6	868	0	0	43	8	0	10	17	0
3	22	6	16	10	2	13	4	9	1½	1	4	2	1	4	7	1012	13	4	50	12	8	12	13	2
3	21	6	15	6½	2	12	4	7	10	1	3	2	0	0½	8	1157	6	8	57	17	4	14	9	4
3	20	6	14	3	2	11	4	6	6½	1	2	1	18	9	9	1302	0	0	65	2	0	16	5	6
3	19	6	12	11½	2	10	4	5	3	1	1	1	17	5½	10	1446	13	4	72	6	8	18	1	8
3	18	6	11	8	2	9	4	3	11½	1	0	1	16	2	11	1591	6	8	79	11	4	19	17	10
3	17	6	10	4½	2	8	4	2	8	0	27	1	14	10½	12	1736	0	0	86	16	0	21	14	0
3	16	6	9	1	2	7	4	1	4½	0	26	1	13	7	13	1880	13	4	94	0	8	23	10	2
3	15	6	7	9½	2	6	4	0	1	0	25	1	12	3½	14	2025	6	8	101	5	4	25	6	4
3	14	6	6	6	2	5	3	18	9½	0	24	1	11	0	15	2170	0	0	108	10	0	27	2	6
3	13	6	5	2½	2	4	3	17	6	0	23	1	9	8½	16	2314	13	4	115	14	8	28	18	8
3	12	6	3	11	2	3	3	16	2½	0	22	1	8	5	17	2459	6	8	122	19	4	30	14	10
3	11	6	2	7½	2	2	3	14	11	0	21	1	7	1½	18	2604	0	0	130	4	0	32	11	0
3	10	6	1	4	2	1	3	13	7½	0	20	1	5	10	19	2748	13	4	137	8	8	34	7	2
3	9	6	0	0½	2	0	3	12	4	0	19	1	4	6½	20	2893	6	8	144	13	4	36	3	4
3	8	5	18	9	1	27	3	11	0½	0	18	1	3	3	21	3038	0	0	151	18	0	37	19	6
3	7	5	17	5½	1	26	3	9	9	0	17	1	1	11½	22	3182	13	4	159	2	8	39	15	8
3	6	5	16	2	1	25	3	8	5½	0	16	1	0	8	23	3327	6	8	166	7	4	41	11	10
3	5	5	14	10½	1	24	3	7	2	0	15	0	19	4½	24	3472	0	0	173	12	0	43	8	0
3	4	5	13	7	1	23	3	5	10½	0	14	0	18	1	25	3616	13	4	180	16	8	45	4	2
3	3	5	12	3½	1	22	3	4	7	0	13	0	16	9½	26	3761	6	8	188	1	4	47	0	4
3	2	5	11	0	1	21	3	3	3½	0	12	0	15	6	27	3906	0	0	195	6	0	48	16	6
3	1	5	9	9½	1	20	3	2	0	0	11	0	14	2½	28	4050	13	4	202	10	8	50	12	8
3	0	5	8	6	1	19	3	0	8½	0	10	0	12	11	29	4195	6	8	209	15	4	52	8	10
2	27	5	7	2½	1	18	2	19	5	0	9	0	11	7½	30	4340	0	0	217	0	0	54	5	0
2	26	5	5	11	1	17	2	18	1½	0	8	0	10	4	31	4484	13	4	224	4	8	56	1	2
2	25	5	4	7½	1	16	2	16	10	0	7	0	9	2½	32	4629	6	8	231	9	4	57	17	4
2	24	5	3	4	1	15	2	15	6½	0	6	0	7	9	33	4774	0	0	238	14	0	59	13	6
2	23	5	2	0½	1	14	2	14	3	0	5	0	6	5½	34	4918	13	4	245	18	8	61	9	8
2	22	5	0	9	1	13	2	12	11½	0	4	0	5	2	35	5063	6	8	253	3	4	63	5	10
2	21	4	19	5½	1	12	2	11	8	0	3	0	3	10½	36	5208	0	0	260	8	0	65	2	0
2	20	4	18	2	1	11	2	10	4½	0	2	0	2	7	37	5352	13	4	267	12	8	66	18	2
2	19	4	16	10½	1	10	2	9	1	0	1	0	1	3½	38	5497	6	8	274	17	4	68	14	4

Note—1s. 3½d. per lb.

£147 per ton, £7 7s. per cwt.

Rate per qr. cwt., stone, and lb.

qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	No.	£147 per ton. £	s.	d.	£7 7s. per cwt., bushel, day, or yard. £	s.	d.	qr. cwt., peck, ¼ day ¼ yard, av. £1 16s. 9d. £	s.	d.
3	27	7	5	8½	2	18	4	17	1½	1	9	2	8	6¾	2	294	0	0	14	14	0	3	13	6
3	26	7	4	4½	2	17	4	15	9¾	1	8	2	7	3	3	441	0	0	22	1	0	5	10	3
3	25	7	3	0¾	2	16	4	14	6	1	7	2	5	11½	4	588	0	0	29	8	0	7	7	0
3	24	7	1	9	2	15	4	13	2¼	1	6	2	4	7¼	5	735	0	0	36	15	0	9	3	9
3	23	7	0	5½	2	14	4	11	10½	1	5	2	3	3¾	6	882	0	0	44	2	0	11	0	6
3	22	6	19	1½	2	13	4	10	6¾	1	4	2	2	0	7	1029	0	0	51	9	0	12	17	3
3	21	6	17	9¾	2	12	4	9	3	1	3	2	0	8¼	8	1176	0	0	58	16	0	14	14	0
3	20	6	16	6	2	11	4	7	11¼	1	2	1	19	4¼	9	1323	0	0	66	3	0	16	10	9
3	19	6	15	2¼	2	10	4	6	7¼	1	1	1	18	0¾	10	1470	0	0	73	10	0	18	7	6
3	18	6	13	10½	2	9	4	5	3¾	1	0	1	16	9	11	1617	0	0	[illegible]	17	0	20	4	3
3	17	6	12	6¾	2	8	4	4	0	0	27	1	15	5¼	12	1764	0	0	[illegible]	4	0	22	1	0
3	16	6	11	3	2	7	4	2	8¼	0	26	1	14	1¼	13	1911	0	0	95	11	0	23	17	9
3	15	6	9	11¼	2	6	4	1	4¼	0	25	1	12	9¾	14	2058	0	0	102	18	0	25	14	6
3	14	6	8	7½	2	5	4	0	0¾	0	24	1	11	6	15	2205	0	0	110	5	0	27	11	3
3	13	6	7	3¾	2	4	3	18	9	0	23	1	10	2¼	16	2352	0	0	117	12	0	29	8	0
3	12	6	6	0	2	3	3	17	5¼	0	22	1	8	10¾	17	2499	0	0	124	19	0	31	4	9
3	11	6	4	8¼	2	2	3	16	1¼	0	21	1	7	6¾	18	2646	0	0	132	[illegible]	0	33	1	6
3	10	6	3	4¼	2	1	3	14	9¾	0	20	1	6	3	19	2793	0	0	139	13	0	34	18	3
3	9	6	2	0¾	2	0	3	13	[illegible]	0	19	1	4	11¼	20	2940	0	0	147	0	0	36	15	0
3	8	6	0	9	1	27	3	12	2¼	0	18	1	3	6¼	21	3087	0	0	154	7	0	38	11	9
3	7	5	19	5¼	1	26	3	10	10¼	0	17	1	2	3¾	22	3234	0	0	161	14	0	40	8	6
3	6	5	18	1¾	1	25	3	9	6¾	0	16	1	1	0	23	3381	0	0	169	1	0	42	5	3
3	5	5	16	9¾	1	24	3	8	3	0	15	0	19	8¼	24	3528	0	0	176	8	[illegible]	44	2	0
3	4	5	15	6	1	23	3	6	11¼	0	14	0	18	4¼	25	3675	0	0	183	15	[illegible]	45	18	9
3	3	5	14	2¼	1	22	3	5	7¼	0	13	0	17	0¾	26	3822	0	0	191	2	0	47	15	6
3	2	5	12	10¾	1	21	3	4	3¾	0	12	0	15	9	27	3969	0	0	198	9	0	49	12	3
3	1	5	11	6¾	1	20	3	3	0	0	11	0	14	5¼	28	4116	0	0	205	16	0	51	9	0
3	0	5	10	3	1	19	3	1	8¼	0	10	0	13	1¼	29	4263	0	0	213	3	0	53	5	9
2	27	5	8	11¼	1	18	3	0	4¼	0	9	0	11	9¾	30	4410	0	0	220	10	0	55	2	6
2	26	5	7	7¼	1	17	2	19	0¾	0	8	0	10	6	31	4557	0	0	227	17	0	56	19	3
2	25	5	6	3¾	1	16	2	17	9	0	7	0	9	2¼	32	4704	0	0	235	4	0	58	16	0
2	24	5	5	0	1	15	2	16	5¼	0	6	0	7	10¼	33	4851	0	0	242	11	0	60	12	9
2	23	5	3	8¼	1	14	2	15	1¾	0	5	0	6	6¾	34	4998	0	0	249	18	0	62	9	6
2	22	5	2	4¼	1	13	2	13	9¾	0	4	0	5	3	35	5145	0	0	257	5	0	64	6	3
2	21	5	1	0¾	1	12	2	12	6	0	3	0	3	11¼	36	5292	0	0	264	12	0	66	3	0
2	20	4	19	9	1	11	2	11	2¼	0	2	0	2	7¾	37	5439	0	0	271	19	0	67	19	9
2	19	4	18	5¼	1	10	2	9	10¼	0	1	0	1	3¾	38	5586	0	0	279	6	0	69	16	6

Note—1s. 3¾d. per lb.

£149 6s. 8d. per ton, £7 9s. 4d. per cwt. — Rate per qr. cwt., stone, and lb.												No.	£149 6s. 8d. per ton.			£7 9s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., av. £1 17s. 4d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	7	8	0	2	18	4	18	8	1	9	2	9	4	2	298	13	4	14	18	8	3	14	8
3	26	7	6	8	2	17	4	17	4	1	8	2	8	0	3	448	0	0	22	8	0	5	12	0
3	25	7	5	4	2	16	4	16	0	1	7	2	6	8	4	597	6	8	29	17	4	7	9	4
3	24	7	4	0	2	15	4	14	8	1	6	2	5	4	5	746	13	4	37	6	8	9	6	8
3	23	7	2	8	2	14	4	13	4	1	5	2	4	0	6	896	0	0	44	16	0	11	4	0
3	22	7	1	4	2	13	4	12	0	1	4	2	2	8	7	1045	6	8	52	5	4	13	1	4
3	21	7	0	0	2	12	4	10	8	1	3	2	1	4	8	1194	13	4	59	14	8	14	18	8
3	20	6	18	8	2	11	4	9	4	1	2	2	0	0	9	1344	0	0	67	4	0	16	16	0
3	19	6	17	4	2	10	4	8	0	1	1	1	18	8	10	1493	6	8	74	13	4	18	13	4
3	18	6	16	0	2	9	4	6	8	1	0	1	17	4	11	1642	13	4	82	2	8	20	10	8
3	17	6	14	8	2	8	4	5	4	0	27	1	16	0	12	1792	0	0	89	12	0	22	8	0
3	16	6	13	4	2	7	4	4	0	0	26	1	14	8	13	1941	6	8	97	1	4	24	5	4
3	15	6	12	0	2	6	4	2	8	0	25	1	13	4	14	2090	13	4	104	10	8	26	2	8
3	14	6	10	8	2	5	4	1	4	0	24	1	12	0	15	2240	0	0	112	0	0	28	0	0
3	13	6	9	4	2	4	4	0	0	0	23	1	10	8	16	2389	6	8	119	9	4	29	17	4
3	12	6	8	0	2	3	3	18	8	0	22	1	9	4	17	2538	13	4	126	18	8	31	14	8
3	11	6	6	8	2	2	3	17	4	0	21	1	8	0	18	2688	0	0	134	8	0	33	12	0
3	10	6	5	4	2	1	3	16	0	0	20	1	6	8	19	2837	6	8	141	17	4	35	9	4
3	9	6	4	0	2	0	3	14	8	0	19	1	5	4	20	2986	13	4	149	6	8	37	6	8
3	8	6	2	8	1	27	3	13	4	0	18	1	4	0	21	3136	0	0	156	16	0	39	4	0
3	7	6	1	4	1	26	3	12	0	0	17	1	2	8	22	3285	6	8	164	5	4	41	1	4
3	6	6	0	0	1	25	3	10	8	0	16	1	1	4	23	3434	13	4	171	14	8	42	18	8
3	5	5	18	8	1	24	3	9	4	0	15	1	0	0	24	3584	0	0	179	4	0	44	16	0
3	4	5	17	4	1	23	3	8	0	0	14	0	18	8	25	3733	6	8	186	13	4	46	13	4
3	3	5	16	0	1	22	3	7	8	0	13	0	17	4	26	3882	13	4	194	2	8	48	10	8
3	2	5	14	8	1	21	3	5	4	0	12	0	16	0	27	4032	0	0	201	12	0	50	8	0
3	1	5	13	4	1	20	3	4	0	0	11	0	14	8	28	4181	6	8	209	1	4	52	5	4
3	0	5	12	0	1	19	3	2	8	0	10	0	13	4	29	4330	13	4	216	10	8	54	2	8
2	27	5	10	8	1	18	3	1	4	0	9	0	12	0	30	4480	0	0	224	0	0	56	0	0
2	26	5	9	4	1	17	3	0	0	0	8	0	10	8	31	4629	6	8	231	9	4	57	17	4
2	25	5	8	0	1	16	2	18	8	0	7	0	9	4	32	4778	13	4	238	18	8	59	14	8
2	24	5	6	8	1	15	2	17	4	0	6	0	8	0	33	4928	0	0	246	8	0	61	12	0
2	23	5	5	4	1	14	2	16	0	0	5	0	6	8	34	5077	6	8	253	17	4	63	9	4
2	22	5	4	0	1	13	2	14	8	0	4	0	5	4	35	5226	13	4	261	6	8	65	6	8
2	21	5	2	8	1	12	2	13	4	0	3	0	4	0	36	5376	0	0	268	16	0	67	4	0
2	20	5	1	4	1	11	2	12	0	0	2	0	2	8	37	5525	6	8	276	5	4	69	1	4
2	19	5	0	0	1	10	2	10	8	0	1	0	1	4	38	5674	13	4	283	14	8	70	18	8

Note—1s. 4d. per lb.

£151 13s. 4d. per ton, £7 11s. 8d. per cwt. Rate per qr. cwt., stone, and lb.											No.	£151 13s. 4d. per ton.			£7 11s. 8d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd., av. £1 17s. 11d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	7	10	3¾	2	18	5	0	2¼	1	9	2	10	1½	2	303	6	8	15	3	4	3	15	10
3	26	7	8	11½	2	17	4	18	10¼	1	8	2	8	9	3	455	0	0	22	15	0	5	13	9
3	25	7	7	7¼	2	16	4	17	6	1	7	2	7	4¾	4	606	13	4	30	6	8	7	11	8
3	24	7	6	3	2	15	4	16	1¾	1	6	2	6	0½	5	758	6	8	37	18	4	9	9	7
3	23	7	4	10¾	2	14	4	14	9½	1	5	2	4	8¼	6	910	0	0	45	10	0	11	7	6
3	22	7	3	6¼	2	13	4	13	5¼	1	4	2	3	4	7	1061	13	4	53	1	8	13	5	5
3	21	7	2	4¼	2	12	4	12	1	1	3	2	1	11¾	8	1213	6	8	60	13	4	15	3	4
3	20	7	0	10	2	11	4	10	8¾	1	2	2	0	7¼	9	1365	0	0	68	5	0	17	1	3
3	19	6	19	5¾	2	10	4	9	4¾	1	1	1	19	3¼	10	1516	13	4	75	16	8	18	19	2
3	18	6	18	1¾	2	9	4	8	0¾	1	0	1	17	11	11	1668	6	8	83	8	4	20	17	1
3	17	6	16	9¼	2	8	4	6	8	0	27	1	16	6¾	12	1820	0	0	91	0	0	22	15	0
3	16	6	15	5	2	7	4	5	3¾	0	26	1	15	2¼	13	1971	13	4	98	11	8	24	12	11
3	15	6	14	0¾	2	6	4	3	11¼	0	25	1	13	10¼	14	2123	6	8	106	3	4	26	10	10
3	14	6	12	8¼	2	5	4	2	7¼	0	24	1	12	6	15	2275	0	0	113	15	0	28	8	9
3	13	6	11	4¼	2	4	4	1	3	0	23	1	11	1¾	16	2426	13	4	121	6	8	30	6	8
3	12	6	10	0	2	3	3	19	10¾	0	22	1	9	9¼	17	2578	6	8	128	18	4	32	4	7
3	11	6	8	7¾	2	2	3	18	6¼	0	21	1	8	5¼	18	2730	0	0	136	10	0	34	2	6
3	10	6	7	3¼	2	1	3	17	2¼	0	20	1	7	1	19	2881	13	4	144	1	8	36	0	5
3	9	6	5	11¼	2	0	3	15	10	0	19	1	5	8¾	20	3033	6	8	151	13	4	37	18	4
3	8	6	4	7	1	27	3	14	5¾	0	18	1	4	4¼	21	3185	0	0	159	5	0	39	16	3
3	7	6	3	2¾	1	26	3	13	1¾	0	17	1	3	0¼	22	3336	13	4	166	16	8	41	14	2
3	6	6	1	10¼	1	25	3	11	9¼	0	16	1	1	8	23	3488	6	8	174	8	4	43	12	1
3	5	6	0	6¼	1	24	3	10	5	0	15	1	0	3¾	24	3640	0	0	182	0	0	45	10	0
3	4	5	19	2	1	23	3	9	0¾	0	14	0	18	11¼	25	3791	13	4	189	11	8	47	7	11
3	3	5	17	9¾	1	22	3	7	8¼	0	13	0	17	7¼	26	3943	6	8	197	3	4	49	5	10
3	2	5	16	5¼	1	21	3	6	4¼	0	12	0	16	3	27	4095	0	0	204	15	0	51	3	9
3	1	5	15	1¼	1	20	3	5	0	0	11	0	14	10¾	28	4246	13	4	212	6	8	53	1	8
3	0	5	13	9	1	19	3	3	7¾	0	10	0	13	6¼	29	4398	6	8	219	18	4	54	19	7
2	27	5	12	4¾	1	18	3	2	3¼	0	9	0	12	2¼	30	4550	0	0	227	10	0	56	17	6
2	26	5	11	0¼	1	17	3	0	11¼	0	8	0	10	10	31	4701	13	4	235	1	8	58	15	5
2	25	5	9	8¼	1	16	2	19	7	0	7	0	9	5¾	32	4853	6	8	242	13	4	60	13	4
2	24	5	8	4	1	15	2	18	2¾	0	6	0	8	1¾	33	5005	0	0	250	5	0	62	11	3
2	23	5	6	11¾	1	14	2	16	10¼	0	5	0	6	9¼	34	5156	13	4	257	16	8	64	9	2
2	22	5	5	7¼	1	13	2	15	6¼	0	4	0	5	5	35	5308	6	8	265	8	4	66	7	1
2	21	5	4	3¼	1	12	2	14	2	0	3	0	4	0¾	36	5460	0	0	273	0	0	68	5	0
2	20	5	2	11	1	11	2	12	9¾	0	2	0	2	8¼	37	5611	13	4	280	11	8	70	2	11
2	19	5	1	6¾	1	10	2	11	5¼	0	1	0	1	4¼	38	5763	6	8	288	3	4	72	0	10

Note—1s. 4¼d. per lb.

£154 per ton, £7 14s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£154 per ton.			£7 14s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. £1 18s. 6d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.				s.	d.	£	s.	d.	£	s.	d.
3	27	7	12	7½	2	18	5	1	9	1	9	2	10	10½	2	308	0	0	15	8	0	3	17	0
3	26	7	11	3	2	17	5	0	4½	1	8	2	9	6	3	462	0	0	23	2	0	5	15	6
3	25	7	9	10½	2	16	4	19	0	1	7	2	8	1½	4	616	0	0	30	16	0	7	14	0
3	24	7	8	6	2	15	4	17	7½	1	6	2	6	9	5	770	0	0	38	10	0	9	12	6
3	23	7	7	1½	2	14	4	16	3	1	5	2	5	4½	6	924	0	0	46	4	0	11	11	0
3	22	7	5	9	2	13	4	14	10½	1	4	2	4	0	7	1078	0	0	53	18	0	13	9	6
3	21	7	4	4½	2	12	4	13	6	1	3	2	2	7½	8	1232	0	0	61	12	0	15	8	0
3	20	7	3	0	2	11	4	12	1½	1	2	2	1	3	9	1386	0	0	69	6	0	17	6	6
3	19	7	1	7½	2	10	4	10	9	1	1	1	19	10½	10	1540	0	0	77	0	0	19	5	0
3	18	7	0	3	2	9	4	9	4½	1	0	1	18	6	11	1694	0	0	85	14	0	21	3	6
3	17	6	18	10½	2	8	4	8	0	0	27	1	17	1½	12	1848	0	0	92	8	0	23	2	0
3	16	6	17	6	2	7	4	6	7½	0	26	1	15	9	13	2002	0	0	100	2	0	25	0	6
3	15	6	16	1½	2	6	4	5	3	0	25	1	14	4½	14	2156	0	0	107	16	0	26	19	0
3	14	6	14	9	2	5	4	3	10½	0	24	1	13	0	15	2310	0	0	115	10	0	28	17	6
3	13	6	13	4½	2	4	4	2	6	0	23	1	11	7½	16	2464	0	0	123	4	0	30	16	0
3	12	6	12	0	2	3	4	1	1½	0	22	1	10	3	17	2618	0	0	130	18	0	32	14	6
3	11	6	10	7½	2	2	3	19	9	0	21	1	8	10½	18	2772	0	0	138	12	0	34	13	0
3	10	6	9	3	2	1	3	18	4½	0	20	1	7	6	19	2926	0	0	146	6	0	36	11	6
3	9	6	7	10½	2	0	3	17	0	0	19	1	6	1½	20	3080	0	0	154	0	0	38	10	0
3	8	6	6	6	1	27	3	15	7½	0	18	1	4	9	21	3234	0	0	161	14	0	40	8	6
3	7	6	5	1½	1	26	3	14	3	0	17	1	3	4½	22	3388	0	0	169	8	0	42	7	0
3	6	6	3	9	1	25	3	12	10½	0	16	1	2	0	23	3542	0	0	177	2	0	44	5	6
3	5	6	2	4½	1	24	3	11	6	0	15	1	0	7½	24	3696	0	0	184	16	0	46	4	0
3	4	6	1	0	1	23	3	10	1½	0	14	0	19	3	25	3850	0	0	192	10	0	48	2	6
3	3	5	19	7½	1	22	3	8	9	0	13	0	17	10½	26	4004	0	0	200	4	0	50	1	0
3	2	5	18	3	1	21	3	7	4½	0	12	0	16	6	27	4158	0	0	207	18	0	51	19	6
3	1	5	16	10½	1	20	3	6	0	0	11	0	15	1½	28	4312	0	0	215	12	0	53	18	0
3	0	5	15	6	1	19	3	4	7½	0	10	0	13	9	29	4466	0	0	223	6	0	55	16	6
2	27	5	14	1½	1	18	3	3	3	0	9	0	12	4½	30	4620	0	0	231	0	0	57	15	0
2	26	5	12	9	1	17	3	1	10½	0	8	0	11	0	31	4774	0	0	238	14	0	59	13	6
2	25	5	11	4½	1	16	3	0	6	0	7	0	9	7½	32	4928	0	0	246	8	0	61	12	0
2	24	5	10	0	1	15	2	19	1½	0	6	0	8	3	33	5082	0	0	254	2	0	63	10	6
2	23	5	8	7½	1	14	2	17	9	0	5	0	6	10½	34	5236	0	0	261	16	0	65	9	0
2	22	5	7	3	1	13	2	16	4½	0	4	0	5	6	35	5390	0	0	269	10	0	67	7	6
2	21	5	5	10½	1	12	2	15	0	0	3	0	4	1½	36	5544	0	0	277	4	0	69	6	0
2	20	5	4	6	1	11	2	13	7½	0	2	0	2	9	37	5698	0	0	284	18	0	71	4	6
2	19	5	3	1½	1	10	2	12	3	0	1	0	1	4½	38	5852	0	0	292	12	0	73	3	0

Note—1s. 4½d. per lb.

£156 6s. 8d. per ton, £7 16s. 4d. per cwt. Rate per qr. cwt., stone, and lb.													No.	£156 6s. 8d. per ton.			£7 16s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yd, av. £1 19s. 1d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	7	14	11½	2	18	5	3	3½	1	9	2	11	7¾	2	312	13	4	15	12	8	3	18	2
3	26	7	13	6¼	2	17	5	1	10¾	1	8	2	10	3	3	469	0	0	23	9	0	5	17	3
3	25	7	12	1¾	2	16	5	0	6	1	7	2	8	10½	4	625	6	8	31	5	4	7	16	4
3	24	7	10	9	2	15	4	19	1½	1	6	2	7	5½	5	781	13	4	39	1	8	9	15	5
3	23	7	9	4½	2	14	4	17	8½	1	5	2	6	0¾	6	938	0	0	46	18	0	11	14	6
3	22	7	7	11¼	2	13	4	16	3¾	1	4	2	4	8	7	1094	6	8	54	14	4	13	13	7
3	21	7	6	6¾	2	12	4	14	11	1	3	2	3	3½	8	1250	13	4	62	10	8	15	12	8
3	20	7	5	2	2	11	4	13	6¼	1	2	2	1	10½	9	1407	0	0	70	7	0	17	11	9
3	19	7	3	9¼	2	10	4	12	1¾	1	1	2	0	5¾	10	1563	6	8	78	3	4	19	10	10
3	18	7	2	4¼	2	9	4	10	8¾	1	0	1	19	1	11	1719	13	4	85	19	8	21	9	11
3	17	7	0	11¾	2	8	4	9	4	0	27	1	17	8½	12	1876	0	0	93	16	0	23	9	0
3	16	6	19	7	2	7	4	7	11¼	0	26	1	16	3½	13	2032	6	8	101	12	4	25	8	1
3	15	6	18	2¼	2	6	4	6	6¼	0	25	1	14	10¾	14	2188	13	4	109	8	8	27	7	2
3	14	6	16	9¼	2	5	4	5	1¾	0	24	1	13	6	15	2345	0	0	117	5	0	29	6	3
3	13	6	15	4¾	2	4	4	3	9	0	23	1	12	1½	16	2501	6	8	125	1	4	31	5	4
3	12	6	14	0	2	3	4	2	4¼	0	22	1	10	8¼	17	2657	13	4	132	17	8	33	4	5
3	11	6	12	7¼	2	2	4	0	11¼	0	21	1	9	3¾	18	2814	0	0	140	14	0	35	3	6
3	10	6	11	2¼	2	1	3	19	6¾	0	20	1	7	11	19	2970	6	8	148	10	4	37	2	7
3	9	6	9	9¾	2	0	3	18	2	0	19	1	6	6¼	20	3126	13	4	156	6	8	39	1	8
3	8	6	8	5	1	27	3	16	9¼	0	18	1	5	1¾	21	3283	0	0	164	3	0	41	0	9
3	7	6	7	0¼	1	26	3	15	4¾	0	17	1	3	8¾	22	3439	6	8	171	19	4	42	19	10
3	6	6	5	7¼	1	25	3	13	11¾	0	16	1	2	4	23	3595	13	4	179	15	8	44	18	11
3	5	6	4	2¾	1	24	3	12	7	0	15	1	0	11¼	24	3752	0	0	187	12	0	46	18	0
3	4	6	2	10	1	23	3	11	2¼	0	14	0	19	6¾	25	3908	6	8	195	8	4	48	17	1
3	3	6	1	5¼	1	22	3	9	9¼	0	13	0	18	1¾	26	4064	13	4	203	4	8	50	16	2
3	2	5	19	0¼	1	21	3	8	4¾	0	12	0	16	9	27	4221	0	0	211	1	0	52	15	3
3	1	5	18	7¾	1	20	3	7	0	0	11	0	15	4¼	28	4377	6	8	218	17	4	54	14	4
3	0	5	17	3	1	19	3	5	7¼	0	10	0	13	11¼	29	4533	13	4	226	13	8	56	13	5
2	27	5	15	10¼	1	18	3	4	2¼	0	9	0	12	6¾	30	4690	0	0	234	10	0	58	12	6
2	26	5	14	5¼	1	17	3	2	9¾	0	8	0	11	2	31	4846	6	8	242	6	4	60	11	7
2	25	5	13	0¾	1	16	3	1	5	0	7	0	9	9¼	32	5002	13	4	250	2	8	62	10	8
2	24	5	11	8	1	15	3	0	0¼	0	6	0	8	4½	33	5159	0	0	257	19	0	64	9	9
2	23	5	10	3¼	1	14	2	18	7¾	0	5	0	6	11¾	34	5315	6	8	265	15	4	66	8	10
2	22	5	8	10¼	1	13	2	17	2¾	0	4	0	5	7	35	5471	13	4	273	11	8	68	7	11
2	21	5	7	5¾	1	12	2	15	10	0	3	0	4	2¼	36	5628	0	0	281	8	0	70	7	0
2	20	5	6	1	1	11	2	14	5¼	0	2	0	2	9¼	37	5784	6	8	289	4	4	72	6	1
2	19	5	4	8¼	1	10	2	13	0¼	0	1	0	1	4¾	38	5940	13	4	297	0	8	74	5	2

Note—1s. 4¾d. per lb.

£158 13s. 4d. per ton, £7 18s. 8d. per cwt. Rate per qr. cwt., stone, and lb.										No.	£158 13s. 4d. per ton.			£7 18s. 8d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard., av. £1 19s. 8d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	£	s.	d.	£	s.	d.
3	27	7	17	3	2	18	5	4	10	1	9	2	12	5	2	317	6	8	15	17	4	3	19	4
3	26	7	15	10	2	17	5	3	5	1	8	2	11	0	3	476	0	0	23	16	0	5	19	0
3	25	7	14	5	2	16	5	2	0	1	7	2	9	7	4	634	13	4	31	14	8	7	18	8
3	24	7	13	0	2	15	5	0	7	1	6	2	8	2	5	793	6	8	39	13	4	9	18	4
3	23	7	11	7	2	14	4	19	2	1	5	2	6	9	6	952	0	0	47	12	0	11	18	0
3	22	7	10	2	2	13	4	17	9	1	4	2	5	4	7	1110	13	4	55	10	8	13	17	8
3	21	7	8	9	2	12	4	16	4	1	3	2	3	11	8	1269	6	8	63	9	4	15	17	4
3	20	7	7	4	2	11	4	14	11	1	2	2	2	6	9	1428	0	0	71	8	0	17	17	0
3	19	7	5	11	2	10	4	13	6	1	1	2	1	1	10	1586	13	4	79	6	8	19	16	8
3	18	7	4	6	2	9	4	12	1	1	0	1	19	8	11	1745	6	8	87	5	4	21	16	4
3	17	7	3	1	2	8	4	10	8	0	27	1	18	3	12	1904	0	0	95	4	0	23	16	0
3	16	7	1	8	2	7	4	9	3	0	26	1	16	10	13	2062	13	4	103	2	8	25	15	8
3	15	7	0	3	2	6	4	7	10	0	25	1	15	5	14	2221	6	8	111	1	4	27	15	4
3	14	6	18	10	2	5	4	6	5	0	24	1	14	0	15	2380	0	0	119	0	0	29	15	0
3	13	6	17	5	2	4	4	5	0	0	23	1	12	7	16	2538	13	4	126	18	8	31	14	8
3	12	6	16	0	2	3	4	3	7	0	22	1	11	2	17	2697	6	8	134	17	4	33	14	4
3	11	6	14	7	2	2	4	2	2	0	21	1	9	9	18	2856	0	0	142	16	0	35	14	0
3	10	6	13	2	2	1	4	0	9	0	20	1	8	4	19	3014	13	4	150	14	8	37	13	8
3	9	6	11	9	2	0	3	19	4	0	19	1	6	11	20	3173	6	8	158	13	4	39	13	4
3	8	6	10	4	1	27	3	17	11	0	18	1	5	6	21	3332	0	0	166	12	0	41	13	0
3	7	6	8	11	1	26	3	16	6	0	17	1	4	1	22	3490	13	4	174	10	8	43	12	8
3	6	6	7	6	1	25	3	15	1	0	16	1	2	8	23	3649	6	8	182	9	4	45	12	4
3	5	6	6	1	1	24	3	13	8	0	15	1	1	3	24	3808	0	0	190	8	0	47	12	0
3	4	6	4	8	1	23	3	12	3	0	14	0	19	10	25	3966	13	4	198	6	8	49	11	8
3	3	6	3	3	1	22	3	10	10	0	13	0	18	5	26	4125	6	8	206	5	4	51	11	4
3	2	6	1	10	1	21	3	9	5	0	12	0	17	0	27	4284	0	0	214	4	0	53	11	0
3	1	6	0	5	1	20	3	8	0	0	11	0	15	7	28	4442	13	4	222	2	8	55	10	8
3	0	5	19	0	1	19	3	6	7	0	10	0	14	2	29	4601	6	8	230	1	4	57	10	4
2	27	5	17	7	1	18	3	5	2	0	9	0	12	9	30	4760	0	0	238	0	0	59	10	0
2	26	5	16	2	1	17	3	3	9	0	8	0	11	4	31	4918	13	4	245	18	8	61	9	8
2	25	5	14	9	1	16	3	2	4	0	7	0	9	11	32	5077	6	8	253	17	4	63	9	4
2	24	5	13	4	1	15	3	0	11	0	6	0	8	6	33	5236	0	0	261	16	0	65	9	0
2	23	5	11	11	1	14	2	19	6	0	5	0	7	1	34	5394	13	4	269	14	8	67	8	8
2	22	5	10	6	1	13	2	18	1	0	4	0	5	8	35	5553	6	8	277	13	4	69	8	4
2	21	5	9	1	1	12	2	16	8	0	3	0	4	3	36	5712	0	0	285	12	0	71	8	0
2	20	5	7	8	1	11	2	15	3	0	2	0	2	10	37	5870	13	4	293	10	8	73	7	8
2	19	5	6	3	1	10	2	13	10	0	1	0	1	5	38	6029	6	8	301	9	4	75	7	4

Note—1s. 5d. per lb.

£161 per ton, £8 1s. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£161 per ton.			£8 1s. per cwt., bushel, day, or yard.			qr. cwt., peck, ½ day, ½ yd., aver. £2 0s. 3d.		
qr. lb.	£	s.	d.	qr. lb.	£	s.	d.	qr. lb.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3 27	7	19	6¾	2 18	5	6	4½	1 9	2	13	2½	2	322	0	0	16	2	0	4	0	6
3 26	7	18	1½	2 17	5	5	11½	1 8	2	11	9	3	483	0	0	24	3	0	6	0	9
3 25	7	16	8¼	2 16	5	3	6	1 7	2	10	3¾	4	644	0	0	32	4	0	8	1	0
3 24	7	15	3	2 15	5	2	0¾	1 6	2	8	10½	5	805	0	0	40	5	0	10	1	3
3 23	7	13	9¾	2 14	5	0	7½	1 5	2	7	5¼	6	966	0	0	48	6	0	12	1	6
3 22	7	12	4½	2 13	4	19	2¼	1 4	2	6	0	7	1127	0	0	56	7	0	14	1	9
3 21	7	10	11¼	2 12	4	17	9	1 3	2	4	6¾	8	1288	0	0	64	8	0	16	2	0
3 20	7	9	6	2 11	4	16	3¾	1 2	2	3	1½	9	1449	0	0	72	9	0	18	2	3
3 19	7	8	0¾	2 10	4	14	10½	1 1	2	1	8¼	10	1610	0	0	80	10	0	20	2	6
3 18	7	6	7½	2 9	4	13	5¼	1 0	2	0	3	11	1771	0	0	88	11	0	22	2	9
3 17	7	5	2¼	2 8	4	12	0	0 27	1	18	9¾	12	1932	0	0	96	12	0	24	3	0
3 16	7	3	9	2 7	4	10	6¾	0 26	1	17	4½	13	2093	0	0	104	13	0	26	3	3
3 15	7	2	3¾	2 6	4	9	1½	0 25	1	15	11¼	14	2254	0	0	112	14	0	28	3	6
3 14	7	0	10½	2 5	4	7	8¼	0 24	1	14	6	15	2415	0	0	120	15	0	30	3	9
3 13	6	19	5¼	2 4	4	6	3	0 23	1	13	0¾	16	2576	0	0	128	16	0	32	4	0
3 12	6	18	0	2 3	4	4	9¾	0 22	1	11	7½	17	2737	0	0	136	17	0	34	4	3
3 11	6	16	6¾	2 2	4	3	4½	0 21	1	10	2¼	18	2898	0	0	144	18	0	36	4	6
3 10	6	15	1½	2 1	4	1	11¼	0 20	1	8	9	19	3059	0	0	152	19	0	38	4	9
3 9	6	13	8¼	2 0	4	0	6	0 19	1	7	3¾	20	3220	0	0	161	0	0	40	5	0
3 8	6	12	3	1 27	3	19	0¾	0 18	1	5	10½	21	3381	0	0	169	1	0	42	5	3
3 7	6	10	9¾	1 26	3	17	7½	0 17	1	4	5¼	22	3542	0	0	177	2	0	44	5	6
3 6	6	9	4½	1 25	3	16	2¼	0 16	1	3	0	23	3703	0	0	185	3	0	46	5	9
3 5	6	7	11¼	1 24	3	14	9	0 15	1	1	6¾	24	3864	0	0	193	4	0	48	6	0
3 4	6	6	6	1 23	3	13	3¾	0 14	1	0	1½	25	4025	0	0	201	5	0	50	6	3
3 3	6	5	0¾	1 22	3	11	10½	0 13	0	18	8¼	26	4186	0	0	209	6	0	52	6	6
3 2	6	3	7½	1 21	3	10	5¼	0 12	0	17	3	27	4347	0	0	217	7	0	54	6	9
3 1	6	2	2¼	1 20	3	9	0	0 11	0	15	9¾	28	4508	0	0	225	8	0	56	7	0
3 0	6	0	9	1 19	3	7	6¾	0 10	0	14	4½	29	4669	0	0	233	9	0	58	7	3
2 27	5	19	3¾	1 18	3	6	1½	0 9	0	12	11¼	30	4830	0	0	241	10	0	60	7	6
2 26	5	17	10½	1 17	3	4	8¼	0 8	0	11	6	31	4991	0	0	249	11	0	62	7	9
2 25	5	16	5¼	1 16	3	3	3	0 7	0	10	0¾	32	5152	0	0	257	12	0	64	8	0
2 24	5	15	0	1 15	3	1	9¾	0 6	0	8	7½	33	5313	0	0	265	13	0	66	8	3
2 23	5	13	6¾	1 14	3	0	4½	0 5	0	7	2¼	34	5474	0	0	273	14	0	68	8	6
2 22	5	12	1½	1 13	2	18	11¼	0 4	0	5	9	35	5635	0	0	281	15	0	70	8	9
2 21	5	10	8¼	1 12	2	17	6	0 3	0	4	3¾	36	5796	0	0	289	16	0	72	9	0
2 20	5	9	3	1 11	2	16	0¾	0 2	0	2	10½	37	5957	0	0	297	17	0	74	9	3
2 19	5	7	9¾	1 10	2	14	7½	0 1	0	1	5¼	38	6118	0	0	305	18	0	76	9	6

Note—1s. 5¼d. per lb.

£163 6s. 8d. per ton, £8 3s. 4d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£163 6s. 8d. per ton.			£8 3s. 4d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. £2 0s. 10d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.	£	s.	d.	£	s.	d.
3	27	8	1	10½	2	18	5	7	11	1	9	2	13	11½	2	326	13	4	16	6	8	4	1	8
3	26	8	0	5	2	17	5	6	5½	1	8	2	12	6	3	490	0	0	24	10	0	6	2	6
3	25	7	18	11½	2	16	5	5	0	1	7	2	11	0½	4	653	6	8	32	13	4	8	3	4
3	24	7	17	6	2	15	5	3	6½	1	6	2	9	7	5	816	13	4	40	16	8	10	4	2
3	23	7	16	0½	2	14	5	2	1	1	5	2	8	1½	6	980	0	0	49	0	0	12	5	0
3	22	7	14	7	2	13	5	0	7½	1	4	2	6	8	7	1143	6	8	57	3	4	14	5	10
3	21	7	13	1½	2	12	4	19	2	1	3	2	5	2½	8	1306	13	4	65	6	8	16	6	8
3	20	7	11	8	2	11	4	17	8½	1	2	2	3	9	9	1470	0	0	73	10	0	18	7	9
3	19	7	10	2½	2	10	4	16	3	1	1	2	2	3½	10	1633	6	8	81	13	4	20	8	4
3	18	7	8	9	2	9	4	14	9½	1	0	2	0	10	11	1796	13	4	89	16	8	22	9	2
3	17	7	7	3½	2	8	4	13	4	0	27	1	19	4½	12	1960	0	0	98	0	0	24	10	0
3	16	7	5	10	2	7	4	11	10½	0	26	1	17	11	13	2123	6	8	106	3	4	26	10	10
3	15	7	4	4½	2	6	4	10	5	0	25	1	16	5½	14	2286	13	4	114	6	8	28	11	8
3	14	7	2	11	2	5	4	8	11½	0	24	1	15	0	15	2450	0	0	122	10	0	30	12	6
3	13	7	1	5½	2	4	4	7	6	0	23	1	13	6½	16	2613	6	8	130	13	4	32	13	4
3	12	7	0	0	2	3	4	6	0½	0	22	1	12	1	17	2776	13	4	138	16	8	34	14	2
3	11	6	18	6½	2	2	4	4	7	0	21	1	10	7½	18	2940	0	0	147	0	0	36	15	0
3	10	6	17	1	2	1	4	3	1½	0	20	1	9	2	19	3103	6	8	155	3	4	38	15	10
3	9	6	15	7½	2	0	4	1	8	0	19	1	7	8½	20	3266	13	4	163	6	8	40	16	8
3	8	6	14	2	1	27	4	0	2½	0	18	1	6	3	21	3430	0	0	171	10	0	42	17	6
3	7	6	12	8½	1	26	3	18	9	0	17	1	4	9½	22	3593	6	8	179	13	4	44	18	4
3	6	6	11	3	1	25	3	17	3½	0	16	1	3	4	23	3756	13	4	187	16	8	46	19	2
3	5	6	9	9½	1	24	3	15	10	0	15	1	1	10½	24	3920	0	0	196	0	0	49	0	0
3	4	6	8	4	1	23	3	14	4½	0	14	1	0	5	25	4083	6	8	204	3	4	51	0	10
3	3	6	6	10½	1	22	3	12	11	0	13	0	18	11½	26	4246	13	4	212	6	8	53	1	8
3	2	6	5	5	1	21	3	11	5½	0	12	0	17	6	27	4410	0	0	22	10	0	55	2	6
3	1	6	3	11½	1	20	3	10	0	0	11	0	16	0½	28	4573	6	8	228	13	4	57	3	4
3	0	6	2	6	1	19	3	8	6½	0	10	0	14	7	29	4736	13	4	236	16	8	59	4	2
2	27	6	1	0½	1	18	3	7	1	0	9	0	13	1½	30	4900	0	0	245	0	0	61	5	0
2	26	5	19	7	1	17	3	5	7½	0	8	0	11	8	31	5063	6	8	253	3	4	63	5	10
2	25	5	18	1½	1	16	3	4	2	0	7	0	10	2½	32	5226	13	4	261	6	8	65	6	8
2	24	5	16	8	1	15	3	2	8½	0	6	0	8	9	33	5390	0	0	269	10	0	67	7	6
2	23	5	15	2½	1	14	3	1	3	0	5	0	7	3½	34	5553	6	8	277	13	4	69	8	4
2	22	5	13	9	1	13	2	19	9½	0	4	0	5	10	35	5716	13	4	285	16	8	71	9	2
2	21	5	12	3½	1	12	2	18	4	0	3	0	4	4½	36	5880	0	0	294	0	0	73	10	0
2	20	5	10	10	1	11	2	16	10½	0	2	0	2	11	37	6043	6	8	302	3	4	75	10	10
2	19	5	9	4½	1	10	2	15	5	0	1	0	1	5½	38	6206	13	4	310	6	8	77	11	8

Note—1s. 5½d. per lb.

£165 13s. 4d. per ton, £8 5s. 8d. per cwt. — Rate per qr. cwt., stone, and lb.											No.	£165 13s. 4d. per ton.			£8 5s. 8d. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day, ¼ yard, av. £2 1s. 5d.		
qr.	lb.	£	s.	d.	qr.	lb.	£	s.	d.			£	s.	d.	£	s.	d.	£	s.	d.
3	27	8	4	2½	2	18	5	9	5½	1	9	2	14	8½	2	331	6	8	16	11	4	4	2	10
3	26	8	2	8½	2	17	5	7	11½	1	8	2	13	3	3	497	0	0	24	17	0	6	4	3
3	25	8	1	2½	2	16	5	6	6	1	7	2	11	9½	4	662	13	4	33	2	8	8	5	8
3	24	7	19	9	2	15	5	5	0½	1	6	2	10	3½	5	828	6	8	41	8	4	10	7	1
3	23	7	18	3½	2	14	5	3	6½	1	5	2	8	9½	6	994	0	0	49	14	0	12	8	6
3	22	7	16	9½	2	13	5	2	0½	1	4	2	7	4	7	1159	13	4	57	19	8	14	9	11
3	21	7	15	3½	2	12	5	0	7	1	3	2	5	10½	8	1325	6	8	66	5	4	16	11	4
3	20	7	13	10	2	11	4	19	1½	1	2	2	4	4½	9	1491	0	0	74	11	0	18	12	9
3	19	7	12	4½	2	10	4	17	7½	1	1	2	2	10½	10	1656	13	4	82	16	8	20	14	2
3	18	7	10	10½	2	9	4	16	1½	1	0	2	1	5	11	1822	6	8	91	2	4	22	15	7
3	17	7	9	4½	2	8	4	14	8	0	27	1	19	11½	12	1988	0	0	99	8	0	24	17	0
3	16	7	7	11	2	7	4	13	2½	0	26	1	18	5½	13	2153	13	4	107	13	8	26	18	5
3	15	7	6	5½	2	6	4	11	8½	0	25	1	16	11½	14	2319	6	8	115	19	4	28	19	10
3	14	7	4	11½	2	5	4	10	2½	0	24	1	15	6	15	2485	0	0	124	5	0	31	1	3
3	13	7	3	5½	2	4	4	8	9	0	23	1	14	0½	16	2650	13	4	132	10	8	33	2	8
3	12	7	2	0	2	3	4	7	3½	0	22	1	12	6½	17	2816	6	8	140	16	4	35	4	1
3	11	7	0	6½	2	2	4	5	9½	0	21	1	11	0½	18	2982	0	0	149	2	0	37	5	6
3	10	6	19	0½	2	1	4	4	3½	0	20	1	9	7	19	3147	13	4	157	7	8	39	6	11
3	9	6	17	6½	2	0	4	2	10	0	19	1	8	1½	20	3313	6	8	165	13	4	41	8	4
3	8	6	16	1	1	27	4	1	4	0	18	1	6	7½	21	3479	0	0	173	19	0	43	9	9
3	7	6	14	7½	1	26	3	19	10½	0	17	1	5	1½	22	3644	13	4	182	4	8	45	11	2
3	6	6	13	1½	1	25	3	18	4½	0	16	1	3	8	23	3810	6	8	190	10	4	47	12	7
3	5	6	11	7½	1	24	3	16	11	0	15	1	2	2½	24	3976	0	0	198	16	0	49	14	0
3	4	6	10	2	1	23	3	15	5½	0	14	1	0	8½	25	4141	13	4	207	1	8	51	15	5
3	3	6	8	8½	1	22	3	13	11½	0	13	0	19	2½	26	4307	6	8	215	7	4	53	16	10
3	2	6	7	2½	1	21	3	12	5½	0	12	0	17	9	27	4473	0	0	223	13	0	55	18	3
3	1	6	5	8½	1	20	3	11	0	0	11	0	16	3½	28	4638	13	4	231	18	8	57	19	8
3	0	6	4	3	1	19	3	9	6½	0	10	0	14	9½	29	4804	6	8	240	4	4	60	1	1
2	27	6	2	9½	1	18	3	8	0½	0	9	0	13	3½	30	4970	0	0	248	10	0	62	2	6
2	26	6	1	3½	1	17	3	6	6½	0	8	0	11	10	31	5135	13	4	256	15	8	64	3	11
2	25	5	19	9½	1	16	3	5	1	0	7	0	10	4½	32	5301	6	8	265	1	4	66	5	4
2	24	5	18	4	1	15	3	3	7½	0	6	0	8	10½	33	5467	0	0	273	7	0	68	6	9
2	23	5	16	10½	1	14	3	2	1½	0	5	0	7	4½	34	5632	13	4	281	12	8	70	8	2
2	22	5	15	4½	1	13	3	0	7½	0	4	0	5	11	35	5798	6	8	289	18	4	72	9	7
2	21	5	13	10½	1	12	2	19	2	0	3	0	4	5½	36	5964	0	0	298	4	0	74	11	0
2	20	5	12	5	1	11	2	17	8½	0	2	0	2	11½	37	6129	13	4	306	9	8	76	12	5
2	19	5	10	11½	1	10	2	16	2½	0	1	0	1	5½	38	6295	6	8	314	15	4	78	13	10

Note—1s. 5½d. per lb.

£168 per ton, £8 8s. per cwt. — Rate per qr. cwt., stone, and lb.													No.	£168 per ton.			£8 8s. per cwt., bushel, day, or yard.			qr. cwt., peck, ¼ day ¼ yard, av. £2 2s.		
qr.	lb.	£	s.	d.	qr	lb.	£	s.	d.	qr.	lb.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.
3	27	8	6	6	2	18	5	11	0	1	9	2	15	6	2	336	0	0	16	16	0	4	4	0
3	26	8	5	0	2	17	5	9	6	1	8	2	14	0	3	504	0	0	25	4	0	6	6	0
3	25	8	3	6	2	16	5	8	0	1	7	2	12	6	4	672	0	0	33	12	0	8	8	0
3	24	8	2	0	2	15	5	6	6	1	6	2	11	0	5	840	0	0	42	0	0	10	10	0
3	23	8	0	6	2	14	5	5	0	1	5	2	9	6	6	1008	0	0	50	8	0	12	12	0
3	22	7	19	0	2	13	5	3	6	1	4	2	8	0	7	1176	0	0	58	16	0	14	14	0
3	21	7	17	6	2	12	5	2	0	1	3	2	6	6	8	1344	0	0	67	4	0	16	16	0
3	20	7	16	0	2	11	5	0	6	1	2	2	5	0	9	1512	0	0	75	12	0	18	18	0
3	19	7	14	6	2	10	4	19	0	1	1	2	3	6	10	1680	0	0	84	0	0	21	0	0
3	18	7	13	0	2	9	4	17	6	1	0	2	2	0	11	1848	0	0	92	8	0	23	2	0
3	17	7	11	6	2	8	4	16	0	0	27	2	0	6	12	2016	0	0	100	16	0	25	4	0
3	16	7	10	0	2	7	4	14	6	0	26	1	19	0	13	2184	0	0	109	4	0	27	6	0
3	15	7	8	6	2	6	4	13	0	0	25	1	17	6	14	2352	0	0	117	12	0	29	8	0
3	14	7	7	0	2	5	4	11	6	0	24	1	16	0	15	2520	0	0	126	0	0	31	10	0
3	13	7	5	6	2	4	4	10	0	0	23	1	14	6	16	2688	0	0	134	8	0	33	12	0
3	12	7	4	0	2	3	4	8	6	0	22	1	13	0	17	2856	0	0	142	16	0	35	14	0
3	11	7	2	6	2	2	4	7	0	0	21	1	11	6	18	3024	0	0	151	4	0	37	16	0
3	10	7	1	0	2	1	4	5	6	0	20	1	10	0	19	3192	0	0	159	12	0	39	18	0
3	9	6	19	6	2	0	4	4	0	0	19	1	8	6	20	3360	0	0	168	0	0	42	0	0
3	8	6	18	0	1	27	4	2	6	0	18	1	7	0	21	3528	0	0	176	8	0	44	2	0
3	7	6	16	6	1	26	4	1	0	0	17	1	5	6	22	3696	0	0	184	16	0	46	4	0
3	6	6	15	0	1	25	3	19	6	0	16	1	4	0	23	3864	0	0	193	4	0	48	6	0
3	5	6	13	6	1	24	3	18	0	0	15	1	2	6	24	4032	0	0	201	12	0	50	8	0
3	4	6	12	0	1	23	3	16	6	0	14	1	1	0	25	4200	0	0	210	0	0	52	10	0
3	3	6	10	6	1	22	3	15	0	0	13	0	19	6	26	4368	0	0	218	8	0	54	12	0
3	2	6	9	0	1	21	3	13	6	0	12	0	18	0	27	4536	0	0	226	16	0	56	14	0
3	1	6	7	6	1	20	3	12	0	0	11	0	16	6	28	4704	0	0	235	4	0	58	16	0
3	0	6	6	0	1	19	3	10	6	0	10	0	15	0	29	4872	0	0	243	12	0	60	18	0
2	27	6	4	6	1	18	3	9	0	0	9	0	13	6	30	5040	0	0	252	0	0	63	0	0
2	26	6	3	0	1	17	3	7	6	0	8	0	12	0	31	5208	0	0	260	8	0	65	2	0
2	25	6	1	6	1	16	3	6	0	0	7	0	10	6	32	5376	0	0	268	16	0	67	4	0
2	24	6	0	0	1	15	3	4	6	0	6	0	9	0	33	5544	0	0	277	4	0	69	6	0
2	23	5	18	6	1	14	3	3	0	0	5	0	7	6	34	5712	0	0	285	12	0	71	8	0
2	22	5	17	0	1	13	3	1	6	0	4	0	6	0	35	5880	0	0	294	0	0	73	10	0
2	21	5	15	6	1	12	3	0	0	0	3	0	4	6	36	6048	0	0	302	8	0	75	12	0
2	20	5	14	0	1	11	2	18	6	0	2	0	3	0	37	6216	0	0	310	16	0	77	14	0
2	19	5	12	6	1	10	2	17	0	0	1	0	1	6	38	6384	0	0	319	4	0	79	16	0

Note—1*s.* 6*d.* per lb.

PRICES EQUIVALENT TO BOTH WEIGHTS AND NUMBERS.

SECTION I.—TABLE 2.

Per ton, or 2240 lb.			Cwt. or 112 lb.			Qr., or 28 lb.			Stone, or 14 lb.		Lb. or 1.	Dozen, or 12.		Score, or 20.		Per 100.			Per 120.			Gross, or 144.			Per 1000.		
£	s.	d.	£	s.	d.	£	s.	d.	s.	d.	d.	s.	d.	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
2	6	8	0	2	4	0	0	7	0	3½	0½	0	3	0	5	0	2	1	0	2	6	0	3	0	1	0	10
4	13	4	0	4	8	0	1	2	0	7	0½	0	6	0	10	0	4	2	0	5	0	0	6	0	2	1	8
7	0	0	0	7	0	0	1	9	0	10½	0¾	0	9	1	3	0	6	3	0	7	6	0	9	0	3	2	6
9	6	8	0	9	4	0	2	4	1	2	1	1	0	1	8	0	8	4	0	10	0	0	12	0	4	3	4
11	13	4	0	11	8	0	2	11	1	5½	1¼	1	3	2	1	0	10	5	0	12	6	0	15	0	5	4	2
14	0	0	0	14	0	0	3	6	1	9	1½	1	6	2	6	0	12	6	0	15	0	0	18	0	6	5	0
16	6	8	0	16	4	0	4	1	2	0½	1¾	1	9	2	11	0	14	7	0	17	6	1	1	0	7	5	10
18	13	4	0	18	8	0	4	8	2	4	2	2	0	3	4	0	16	8	1	0	0	1	4	0	8	6	8
21	0	0	1	1	0	0	5	3	2	7½	2¼	2	3	3	9	0	18	9	1	2	6	1	7	0	9	7	6
23	6	8	1	3	4	0	5	10	2	11	2½	2	6	4	2	1	0	10	1	5	0	1	10	0	10	8	4
25	13	4	1	5	8	0	6	5	3	2½	2¾	2	9	4	7	1	2	11	1	7	6	1	13	0	11	9	2
28	0	0	1	8	0	0	7	0	3	6	3	3	0	5	0	1	5	0	1	10	0	1	16	0	12	10	0
30	6	8	1	10	4	0	7	7	3	9½	3¼	3	3	5	5	1	7	1	1	12	6	1	19	0	13	10	10
32	13	4	1	12	8	0	8	2	4	1	3½	3	6	5	10	1	9	2	1	15	0	2	2	0	14	11	8
35	0	0	1	15	0	0	8	9	4	4½	3¾	3	9	6	3	1	11	3	1	17	6	2	5	0	15	12	6
37	6	8	1	17	4	0	9	4	4	8	4	4	0	6	8	1	13	4	2	0	0	2	8	0	16	13	4
39	13	4	1	19	8	0	9	11	4	11½	4¼	4	3	7	1	1	15	5	2	2	6	2	11	0	17	14	2
42	0	0	2	2	0	0	10	6	5	3	4½	4	6	7	6	1	17	6	2	5	0	2	14	0	18	15	0
44	6	8	2	4	4	0	11	1	5	6½	4¾	4	9	7	11	1	19	7	2	7	6	2	17	0	19	15	10
46	13	4	2	6	8	0	11	8	5	10	5	5	0	8	4	2	1	8	2	10	0	3	0	0	20	16	8
49	0	0	2	9	0	0	12	3	6	1½	5¼	5	3	8	9	2	3	9	2	12	6	3	3	0	21	17	6
51	6	8	2	11	4	0	12	10	6	5	5½	5	6	9	2	2	5	10	2	15	0	3	6	0	22	18	4
53	13	4	2	13	8	0	13	5	6	8½	5¾	5	9	9	7	2	7	11	2	17	6	3	9	0	23	19	2

Per ton, or 2240 lb.			Cwt., or 112 lb.			Qr., or 28 lb.			Stone, or 14 lb.		Lb. or 1.	Dozen, or 12.		Score, or 20.		Per 100.			Per 120.			Gross, or 144.			Per 1000.		
£	s.	d.	£	s.	d.	£	s.	d.	s.	d.	d.	s.	d.	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
56	0	0	2	16	0	0	14	0	7	0	6	6	0	10	0	2	10	0	3	0	0	3	12	0	25	0	0
58	6	8	2	18	4	0	14	7	7	3½	6½	6	3	10	5	2	12	1	3	2	6	3	15	0	26	0	10
60	13	4	3	0	8	0	15	2	7	7	6½	6	6	10	10	2	14	2	3	5	0	3	18	0	27	1	8
63	0	0	3	3	0	0	15	9	7	10½	6¾	6	9	11	3	2	16	3	3	7	6	4	1	0	28	2	6
65	6	8	3	5	4	0	16	4	8	2	7	7	0	11	8	2	18	4	3	10	0	4	4	0	29	3	4
67	13	4	3	7	8	0	16	11	8	5½	7¼	7	3	12	1	3	0	5	3	12	6	4	7	0	30	4	2
70	0	0	3	10	0	0	17	6	8	9	7½	7	6	12	6	3	2	6	3	15	0	4	10	0	31	5	0
72	6	8	3	12	4	0	18	1	9	0½	7¾	7	9	12	11	3	4	7	3	17	6	4	13	0	32	5	10
74	13	4	3	14	8	0	18	8	9	4	8	8	0	13	4	3	6	8	4	0	0	4	16	0	33	6	8
77	0	0	3	17	0	0	19	3	9	7½	8¼	8	3	13	9	3	8	9	4	2	6	4	19	0	34	7	6
79	6	8	3	19	4	0	19	10	9	11	8½	8	6	14	2	3	10	10	4	5	0	5	2	0	35	8	4
81	13	4	4	1	8	1	0	5	10	2½	8¾	8	9	14	7	3	12	11	4	7	6	5	5	0	36	9	2
84	0	0	4	4	0	1	1	0	10	6	9	9	0	15	0	3	15	0	4	10	0	5	8	0	37	10	0
86	6	8	4	6	4	1	1	7	10	9½	9¼	9	3	15	5	3	17	1	4	12	6	5	11	0	38	10	10
88	13	4	4	8	8	1	2	2	11	1	9½	9	6	15	10	3	19	2	4	15	0	5	14	0	39	11	8
91	0	0	4	11	0	1	2	9	11	4½	9¾	9	9	16	3	4	1	3	4	17	6	5	17	0	40	12	6
93	6	8	4	13	4	1	3	4	11	8	10	10	0	16	8	4	3	4	5	0	0	6	0	0	41	13	4
95	13	4	4	15	8	1	3	11	11	11½	10¼	10	3	17	1	4	5	5	5	2	6	6	3	0	42	14	2
98	0	0	4	18	0	1	4	6	12	3	10½	10	6	17	6	4	7	6	5	5	0	6	6	0	43	15	0
100	6	8	5	0	4	1	5	1	12	6½	10¾	10	9	17	11	4	9	7	5	7	6	6	9	0	44	15	10
102	13	4	5	2	8	1	5	8	12	10	11	11	0	18	4	4	11	8	5	10	0	6	12	0	45	16	8
105	0	0	5	5	0	1	6	3	13	1½	11¼	11	3	18	9	4	13	9	5	12	6	6	15	0	46	17	6
107	6	8	5	7	4	1	6	10	13	5	11½	11	6	19	2	4	15	10	5	15	0	6	18	0	47	18	4
109	13	4	5	9	8	1	7	5	13	8½	11¾	11	9	19	7	4	17	11	5	17	0	7	1	0	48	19	2
112	0	0	5	12	0	1	8	0	14	0	12	12	0	20	0	5	0	0	6	0	0	7	4	0	50	0	0

SIMPLE INTEREST TABLES.

APPROXIMATE PROGRESSIVE TABLE AT 3 PER CENT. PER ANNUM,

SHEWING THE INTEREST DUE FOR ONE DAY.

SECTION I.—TABLE 3.

Principal.	Interest.	Principal.	Interest.	Principal.	Interest.
£	s. d.	£	s. d.	£	s. d.
25	0 0½	887	1 5½	1749	2 10½
51	0 1	912	1 6	1774	2 11
76	0 1½	937	1 6½	1799	2 11½
101	0 2	963	1 7	1825	3 0
126	0 2½	988	1 7½	1850	3 0½
152	0 3	1014	1 8	1876	3 1
177	0 3½	1039	1 8½	1901	3 1½
203	0 4	1065	1 9	1926	3 2
228	0 4½	1090	1 9½	1951	3 2½
253	0 5	1115	1 10	1977	3 3
278	0 5½	1140	1 10½	2002	3 3½
304	0 6	1166	1 11	2028	3 4
329	0 6½	1191	1 11½	2053	3 4½
355	0 7	1217	2 0	2078	3 5
380	0 7½	1242	2 0½	2103	3 5½
406	0 8	1267	2 1	2129	3 6
431	0 8½	1292	2 1½	2154	3 6½
456	0 9	1318	2 2	2180	3 7
481	0 9½	1343	2 2½	2205	3 7½
507	0 10	1369	2 3	2231	3 8
532	0 10½	1391	2 3½	2256	3 8½
558	0 11	1419	2 4	2281	3 9
583	0 11½	1444	2 4½	2306	3 9½
608	1 0	1470	2 5	2332	3 10
633	1 0½	1495	2 5½	2357	3 10½
659	1 1	1521	2 6	2383	3 11
684	1 1½	1546	2 6½	2408	3 11½
710	1 2	1572	2 7	2433	4 0
735	1 2½	1597	2 7½	2458	4 0½
760	1 3	1622	2 8	2484	4 1
785	1 3½	1647	2 8½	2509	4 1½
811	1 4	1673	2 9	2535	4 2
836	1 4½	1698	2 9½	2560	4 2½
862	1 5	1724	2 10	2585	4 3

Principal.	Interest.	Principal.	Interest.	Principal.	Interest.
£	s. d.	£	s. d.	£	s. d.
2610	4 3½	3726	6 1½	4841	7 11½
2636	4 4	3751	6 2	4867	8 0
2660	4 4½	3776	6 2½	4892	8 0½
2687	4 5	3802	6 3	4917	8 1
2712	4 5½	3827	6 3½	4942	8 1½
2737	4 6	3853	6 4	4960	8 2
2762	4 6½	3878	6 4½	4994	8 2½
2788	4 7	3903	6 5	5019	8 3
2813	4 7½	3928	6 5½	5044	8 3½
2839	4 8	3954	6 6	5069	8 4
2864	4 8½	3979	6 6½	5094	8 4½
2890	4 9	4005	6 7	5120	8 5
2915	4 9½	4030	6 7½	5145	8 5½
2940	4 10	4056	6 8	5171	8 6
2965	4 10½	4081	6 8½	5196	8 6½
2991	4 11	4106	6 9	5222	8 7
3016	4 11½	4131	6 9½	5247	8 7½
3042	5 0	4157	6 10	5272	8 8
3067	5 0½	4182	6 10½	5297	8 8½
3092	5 1	4208	6 11	5323	8 9
3117	5 1½	4233	6 11½	5348	8 9½
3143	5 2	4258	7 0	5374	8 10
3168	5 2½	4283	7 0½	5399	8 10½
3194	5 3	4309	7 1	5425	8 11
3219	5 3½	4334	7 1½	5450	8 11½
3244	5 4	4360	7 2	5476	9 0
3269	5 4½	4385	7 2½	5501	9 0½
3295	5 5	4410	7 3	5527	9 1
3320	5 5½	4435	7 3½	5552	9 1½
3346	5 6	4461	7 4	5576	9 2
3371	5 6½	4486	7 4½	5601	9 2½
3397	5 7	4512	7 5	5627	9 3
3422	5 7½	4537	7 5½	5652	9 3½
3447	5 8	4562	7 6	5678	9 4
3472	5 8½	4587	7 6½	5703	9 4½
3498	5 9	4613	7 7	5728	9 5
3523	5 9½	4638	7 7½	5753	9 5½
3549	5 10	4664	7 8	5779	9 6
3574	5 10½	4689	7 8½	5804	9 6½
3599	5 11	4715	7 9	5830	9 7
3624	5 11½	4740	7 9½	5855	9 7½
3650	6 0	4765	7 10	5881	9 8
3675	6 0½	4790	7 10½	5906	9 8½
3701	6 1	4816	7 11	5931	9 9

Principal.	Interest.	Principal.	Interest.	Principal.	Interest.
£	s. d.	£	s. d.	£	s. d.
5956	9 9½	7072	11 7½	8187	13 5½
5982	9 10	7097	11 8	8212	13 6
6007	9 10½	7122	11 8½	8237	13 6½
6033	9 11	7148	11 9	8263	13 7
6058	9 11½	7173	11 9½	8288	13 7½
6083	10 0	7199	11 10	8314	13 8
6108	10 0½	7224	11 10½	8339	13 8½
6134	10 1	7249	11 11	8365	13 9
6159	10 1½	7274	11 11½	8390	13 9½
6185	10 2	7300	12 0	8415	13 10
6210	10 2½	7325	12 0½	8440	13 10½
6235	10 3	7351	12 1	8466	13 11
6260	10 3½	7376	12 1½	8491	13 11½
6286	10 4	7401	12 2	8517	14 0
6311	10 4½	7426	12 2½	8542	14 0½
6337	10 5	7452	12 3	8567	14 1
6362	10 5½	7477	12 3½	8592	14 1½
6387	10 6	7503	12 4	8618	14 2
6412	10 6½	7528	12 4½	8643	14 2½
6438	10 7	7553	12 5	8669	14 3
6463	10 7½	7578	12 5½	8694	14 3½
6489	10 8	7604	12 6	8719	14 4
6514	10 8½	7629	12 6½	8744	14 4½
6540	10 9	7655	12 7	8770	14 5
6565	10 9½	7679	12 7½	8795	14 5½
6590	10 10	7706	12 8	8821	14 6
6615	10 10½	7731	12 8½	8846	14 6½
6641	10 11	7756	12 9	8872	14 7
6666	10 11½	7781	12 9½	8897	14 7½
6692	11 0	7807	12 10	8922	14 8
6717	11 0½	7832	12 10½	8947	14 8½
6742	11 1	7858	12 11	8973	14 9
6767	11 1½	7883	12 11½	8998	14 9½
6793	11 2	7908	13 0	9024	14 10
6818	11 2½	7933	13 0½	9049	14 10½
6844	11 3	7959	13 1	9074	14 11
6869	11 3½	7984	13 1½	9099	14 11½
6894	11 4	8010	13 2	9125	15 0
6919	11 4½	8035	13 2½	9151	15 0½
6945	11 5	8060	13 3	9176	15 1
6970	11 5½	8085	13 3½	9201	15 1½
6996	11 6	8111	13 4	9226	15 2
7021	11 6½	8136	13 4½	9252	15 2½
7047	11 7	8162	13 5	9277	15 3

Principal.	Interest.	Principal.	Interest.	Principal.	Interest.
£	s. d.	£	s. d.	£	£ s. d.
9302	15 3½	10417	17 1½	11533	0 18 11½
9328	15 4	10443	17 2	11558	0 19 0
9354	15 4½	10468	17 2½	11584	0 19 0½
9378	15 5	10494	17 3	11609	0 19 1
9403	15 5½	10520	17 3½	11635	0 19 1½
9429	15 6	10544	17 4	11660	0 19 2
9455	15 6½	10560	17 4½	11685	0 19 2½
9480	15 7	10595	17 5	11710	0 19 3
9505	15 7½	10620	17 5½	11736	0 19 3½
9531	15 8	10646	17 6	11761	0 19 4
9557	15 8½	10671	17 6½	11786	0 19 4½
9581	15 9	10697	17 7	11812	0 19 5
9606	15 9½	10722	17 7½	11837	0 19 5½
9632	15 10	10747	17 8	11862	0 19 6
9657	15 10½	10773	17 8½	11888	0 19 6½
9683	15 11	10798	17 9	11913	0 19 7
9708	15 11½	10823	17 9½	11938	0 19 7½
9733	16 0	10849	17 10	11964	0 19 8
9758	16 0½	10874	17 10½	11989	0 19 8½
9784	16 1	10899	17 11	12015	0 19 9
9809	16 1½	10924	17 11½	12040	0 19 9½
9835	16 2	10950	18 0	12065	0 19 10
9861	16 2½	10976	18 0½	12091	0 19 10½
9885	16 3	11001	18 1	12166	0 19 11
9910	16 3½	11026	18 1½	12141	0 19 11½
9936	16 4	11051	18 2	12167	1 0 0
9962	16 4½	11076	18 2½	12775	1 1 0
9987	16 5	11102	18 3	13383	1 2 0
10012	16 5½	11128	18 3½	13992	1 3 0
10037	16 6	11153	18 4	14600	1 4 0
10063	16 6½	11178	18 4½	15208	1 5 0
10088	16 7	11203	18 5	15818	1 6 0
10113	16 7½	11228	18 5½	16424	1 7 0
10139	16 8	11254	18 6	17034	1 8 0
10165	16 8½	11279	18 6½	17642	1 9 0
10190	16 9	11305	18 7	18250	1 10 0
10215	16 9½	11331	18 7½	18858	1 11 0
10240	16 10	11356	18 8	19466	1 12 0
10265	16 10½	11381	18 8½	20074	1 13 0
10291	16 11	11406	18 9	20684	1 14 0
10316	16 11½	11431	18 9½	21292	1 15 0
10342	17 0	11457	18 10	21900	1 16 0
10368	17 0½	11483	18 10½	22508	1 17 0
10392	17 1	11508	18 11	23116	1 18 0

Principal.	Interest.			Principal.	Interest.			Principal.	Interest.		
£	£	s.	d.	£	£	s.	d.	£	£	s.	d.
23724	1	19	0	50491	4	3	0	389344	32	0	0
24334	2	0	0	51100	4	4	0	401500	33	0	0
24943	2	1	0	51709	4	5	0	413666	34	0	0
25551	2	2	0	52320	4	6	0	425833	35	0	0
26160	2	3	0	52925	4	7	0	438000	36	0	0
26768	2	4	0	53536	4	8	0	450167	37	0	0
27377	2	5	0	54141	4	9	0	462334	38	0	0
27984	2	6	0	54754	4	10	0	474500	39	0	0
28594	2	7	0	55358	4	11	0	486676	40	0	0
29200	2	8	0	55968	4	12	0	498833	41	0	0
29809	2	9	0	56575	4	13	0	511000	42	0	0
30416	2	10	0	57188	4	14	0	523167	43	0	0
31026	2	11	0	57792	4	15	0	535332	44	0	0
31636	2	12	0	58400	4	16	0	547500	45	0	0
32243	2	13	0	59008	4	17	0	559666	46	0	0
32848	2	14	0	59618	4	18	0	571833	47	0	0
33459	2	15	0	60226	4	19	0	584000	48	0	0
34068	2	16	0	60832	5	0	0	596167	49	0	0
34675	2	17	0	73000	6	0	0	608334	50	0	0
35284	2	18	0	85168	7	0	0	638750	52	10	0
35891	2	19	0	97336	8	0	0	669166	55	0	0
36500	3	0	0	109500	9	0	0	699582	57	10	0
37108	3	1	0	121664	10	0	0	730000	60	0	0
37716	3	2	0	138833	11	0	0	760416	62	10	0
38325	3	3	0	146000	12	0	0	790832	65	0	0
38932	3	4	0	158167	13	0	0	821248	67	10	0
39542	3	5	0	170336	14	0	0	851666	70	0	0
40148	3	6	0	182500	15	0	0	882082	72	10	0
40759	3	7	0	194672	16	0	0	912508	75	0	0
41368	3	8	0	206833	17	0	0	942924	77	10	0
41978	3	9	0	219000	18	0	0	973340	80	0	0
42584	3	10	0	231167	19	0	0	1003756	82	10	0
43192	3	11	0	243338	20	0	0	1034172	85	0	0
43800	3	12	0	255500	21	0	0	1064588	87	10	0
44408	3	13	0	267666	22	0	0	1095000	90	0	0
45016	3	14	0	279833	23	0	0	1125416	92	10	0
45624	3	15	0	292000	24	0	0	1155832	95	0	0
46232	3	16	0	304167	25	0	0	1186248	97	10	0
46841	3	17	0	316334	26	0	0	1216668	100	0	0
47448	3	18	0	328500	27	0	0	1277500	105	0	0
48058	3	19	0	340672	28	0	0	1338332	110	0	0
48668	4	0	0	352833	29	0	0	1399164	115	0	0
49274	4	1	0	365000	30	0	0	1460000	120	0	0
49886	4	2	0	377167	31	0	0	1520832	125	0	0

Principal.	Interest.			Principal.	Interest.			Principal.	Interest.		
£	£	s.	d.	£	£	s.	d.	£	£	s.	d.
1581664	130	0	0	2311664	190	0	0	3650000	300	0	0
1642496	135	0	0	2372496	195	0	6	3893360	320	0	0
1703332	140	0	0	2433336	200	0	0	4136688	340	0	0
1764164	145	0	0	2555000	210	0	0	4380000	360	0	0
1825000	150	0	0	2676664	220	0	0	4623328	380	0	0
1885843	155	0	0	2798328	230	0	0	4866676	400	0	0
1946680	160	0	0	2920000	249	0	0	5110000	420	0	0
2007412	165	0	0	3041668	250	0	0	5353328	440	0	0
2068344	170	0	0	3163328	260	0	0	5596656	460	0	0
2129176	175	0	0	3285000	270	0	0	5840000	480	0	0
2190000	180	0	0	3406664	280	0	0	6083336	500	0	0
2250832	185	0	0	3528328	290	0	0				

Note—£12 15s. deposited at 3 per cent. gives ½d. per day.

Observe—These progressive Tables give the interest, for one day, due upon the various sums titled Principals.

Operation—Multiply the principal by the number of days, and enter principal column for the nearest amount sought.

Example—What amount of interest is due upon the sum of £326 for 29 days, at 3 per cent?

Here, 326 multiplied by 29 gives 9454, the nearest number given to which in Table is £9455; and contiguous to it is 15s. 6½d., the interest required.

APPROXIMATE PROGRESSIVE TABLE AT 3½ PER CENT. PER ANNUM,

SHEWING THE INTEREST DUE FOR ONE DAY.

SECTION I.—TABLE 4.

Principal.	Interest.		Principal.	Interest.		Principal.	Interest.	
£	s.	d.	£	s.	d.	£	s.	d.
22	0	0½	196	0	4½	370	0	8½
43	0	1	217	0	5	391	0	9
65	0	1½	239	0	5½	413	0	9½
87	0	2	261	0	6	435	0	10
109	0	2½	283	0	6½	457	0	10½
130	0	3	304	0	7	478	0	11
152	0	3½	326	0	7½	500	0	11½
174	0	4	348	0	8	521	1	0

Principal.	Interest.	Principal.	Interest.	Principal.	Interest.
£	s. d.	£	s. d.	£	s. d.
543	1 0½	1499	2 10½	2455	4 8½
565	1 1	1521	2 11	2477	4 9
587	1 1½	1543	2 11½	2499	4 9½
608	1 2	1564	3 0	2520	4 10
630	1 2½	1586	3 0½	2542	4 10½
652	1 3	1608	3 1	2564	4 11
674	1 3½	1630	3 1½	2586	4 11½
695	1 4	1651	3 2	2607	5 0
717	1 4½	1673	3 2½	2629	5 0½
739	1 5	1695	3 3	2651	5 1
761	1 5½	1717	3 3½	2673	5 1½
782	1 6	1738	3 4	2694	3 2
804	1 6½	1760	3 4½	2716	5 2½
826	1 7	1782	3 5	2737	5 3
848	1 7½	1804	3 5½	2759	5 3½
869	1 8	1825	3 6	2781	5 4
891	1 8½	1847	3 6½	2803	5 4½
912	1 9	1868	3 7	2824	5 5
934	1 9½	1890	3 7½	2846	5 5½
956	1 10	1912	3 8	2868	5 6
976	1 10½	1934	3 8½	2890	5 6½
999	1 11	1955	3 9	2911	9 7
1021	1 11½	1977	3 9½	2933	5 7½
1043	2 0	1999	3 10	2955	5 8
1065	2 0½	2021	3 10½	2977	5 8½
1086	2 1	2042	3 11	2998	5 9
1108	2 1½	2064	3 11½	3020	5 9½
1130	2 2	2086	4 0	3042	5 10
1152	2 2½	2108	4 0½	3064	5 10½
1173	2 3	2123	4 1	3085	5 11
1195	2 3½	2151	4 1½	3107	5 11½
1217	2 4	2173	4 2	3129	6 0
1239	2 4½	2195	4 2½	3151	6 0½
1260	2 5	2216	4 3	3172	6 1
1282	2 5½	2238	4 3½	3194	6 1½
1304	2 6	2260	4 4	3215	6 2
1326	2 6½	2282	4 4½	3237	6 2½
1347	2 7	2303	4 5	3259	6 3
1369	2 7½	2325	4 5½	3281	6 3½
1390	2 8	2346	4 6	3302	6 4
1412	2 8½	2368	4 6½	3324	6 4½
1434	2 9	2390	4 7	3346	6 5
1456	2 9½	2412	4 7½	3368	6 5½
1477	2 10	2433	4 8	3389	6 6

Principal.	Interest.	Principal.	Interest.	Principal.	Interest.
£	s. d.	£	s. d.	£	s. d.
3411	6 6½	4367	8 4½	5323	10 2½
3433	6 7	4389	8 5	5345	10 3
3455	6 7½	4411	8 5½	5367	10 3½
3476	6 8	4432	8 6	5388	10 4
3498	6 8½	4454	8 6½	5410	10 4½
3520	6 9	4476	8 7	5432	10 5
3542	6 9½	4498	8 7½	5454	10 5½
3563	6 10	4519	8 8	5475	10 6
3585	6 10½	4541	8 8½	5497	10 6½
3607	6 11	4562	8 9	5518	10 7
3629	6 11½	4584	8 9½	5540	10 7½
3650	7 0	4606	8 10	5562	10 8
3672	7 0½	4628	8 10½	5584	10 8½
3693	7 1	4649	8 11	5605	10 9
3715	7 1½	4671	9 11½	5627	10 9½
3737	7 2	4693	9 0	5649	10 10
3759	7 2½	4715	9 0½	5671	10 10½
3780	7 3	4736	9 1	5692	10 11
3802	7 3½	4758	9 1½	5714	10 11½
3824	7 4	4780	9 2	5736	11 0
3846	7 4½	4802	9 2½	5758	11 0½
3867	7 5	4823	9 3	5779	11 1
3889	7 5½	4845	9 3½	5801	11 1½
3911	7 6	4867	9 4	5823	11 2
3933	7 6½	4889	9 4½	5845	11 2½
3954	7 7	4910	9 5	5866	11 3
3976	7 7½	4932	9 5½	5888	11 3½
3998	7 8	4954	9 6	5910	11 4
4010	7 8½	4976	9 6½	5932	11 4½
4041	7 9	4997	9 7	5953	11 5
4063	7 9½	5019	9 7½	5975	11 5½
4085	7 10	5040	9 8	5996	11 6
4107	7 10½	5062	9 8½	6018	11 6½
4128	7 11	5084	9 9	6040	11 7
4150	7 11½	5106	9 9½	6062	11 7½
4171	8 0	5127	9 10	6083	11 8
4193	8 0½	5149	9 10½	6105	11 8½
4215	8 1	5171	9 11	6127	11 9
4237	8 1½	5193	9 11½	6149	11 9½
4258	8 2	5214	10 0	6170	11 10
4280	8 2½	5236	10 0½	6192	11 10½
4302	8 3	5258	10 1	6214	11 11
4324	8 3½	5280	10 1½	6236	11 11½
4345	8 4	5301	10 2	6257	12 0

Principal.	Interest.	Principal.	Interest.	Principal.	Interest.
£	s. d.	£	s. d.	£	s. d.
6279	12 0½	7235	13 10½	8191	15 8½
6301	12 1	7257	13 11	8212	15 9
6323	12 1½	7279	13 11½	8234	15 9½
6344	12 2	7300	14 0	8256	15 10
6366	12 2½	7322	14 0½	8278	15 10½
6387	12 3	7343	14 1	8299	15 11
6409	12 3½	7365	14 1½	8321	16 11½
6431	12 4	7387	14 2	8343	16 0
6453	12 4½	7409	14 2½	8365	16 0½
6474	12 5	7430	14 3	8386	16 1
6496	12 5½	7452	14 3½	8408	16 1½
6518	12 6	7474	14 4	8430	16 2
6540	12 6½	7496	14 4½	8452	16 2½
6561	12 7	7517	14 5	8473	16 3
6583	12 7½	7539	11 5½	8495	16 3½
6605	12 8	7561	14 6	8517	16 4
6627	12 8½	7583	14 6½	8539	16 4½
6648	12 9	7604	14 7	8560	16 5
6670	12 9½	7626	14 7½	8582	16 5½
6692	12 10	7648	14 8	8604	16 6
6714	12 10½	7670	14 8½	8626	16 6½
6735	12 11	7691	14 9	8647	16 7
6757	12 11½	7713	14 9½	8669	16 7½
6779	13 0	7735	14 10	8690	16 8
6801	13 0½	7757	14 10½	8712	16 8½
6822	13 1	7778	13 11	8734	16 9
6844	13 1½	7800	14 11½	8756	16 9½
6865	13 2	7821	15 0	8777	16 10
6887	13 2½	7843	15 0½	8799	16 10½
6909	13 3	7865	15 1	8821	16 11
6931	13 3½	7887	15 1½	8843	16 11½
6952	13 4	7908	15 2	8864	17 0
6974	13 4½	7930	15 2½	8886	17 0½
6996	13 5	7952	15 3	8908	17 1
7018	13 5½	7974	15 3½	8931	17 1½
7039	13 6	7995	15 4	8953	17 2
7061	13 6½	8017	15 4½	8974	17 2½
7083	13 7	8039	15 5	8995	17 3
7105	13 7½	8061	15 5½	9017	17 3½
7126	13 8	8082	15 6	9038	17 4
7148	13 8½	8104	15 6½	9060	17 4½
7170	13 9	8126	15 7	9082	17 5
7192	13 9½	8148	15 7½	9104	17 5½
7213	13 10	8169	15 8	9125	17 6

Principal.	Interest.			Principal.	Interest.			Principal.	Interest.		
£	£	s.	d.	£	£	s.	d.	£	£	s.	d.
9147	0	17	6½	10103	0	19	4½	25550	2	9	0
9168	0	17	7	10124	0	19	5	26071	2	10	0
9190	0	17	7½	10146	0	19	5½	26593	2	11	0
9212	0	17	8	10168	0	19	6	27114	2	12	0
9234	0	17	8½	10190	0	19	6½	27636	2	13	0
9255	0	17	9	10211	0	19	7	28157	2	14	0
9277	0	17	9½	10233	0	19	7½	28679	2	15	0
9299	0	17	10	10255	0	19	8	29200	2	16	0
9321	0	17	10½	10277	0	19	8½	29722	2	17	0
9342	0	17	11	10298	0	19	9	30243	2	18	0
9364	0	17	11½	10320	0	19	9½	30765	2	19	0
9386	0	18	0	10342	0	19	10	31286	3	0	0
9408	0	18	0½	10364	0	19	10½	31807	3	1	0
9429	0	18	1	10385	0	19	11	32329	3	2	0
9451	0	18	1½	10407	0	19	11½	32850	3	3	0
9473	0	18	2	10429	1	0	0	33372	3	4	0
9495	0	18	2½	10950	1	1	0	33893	3	5	0
9516	0	18	3	11472	1	2	0	34415	3	6	0
9538	0	18	3½	11993	1	3	0	34936	3	7	0
9560	0	18	4	12515	1	4	0	35458	3	8	0
9582	0	18	4½	13036	1	5	0	35979	3	9	0
9603	0	18	5	13558	1	5	0	36500	3	10	0
9625	0	18	5½	14079	1	7	0	37022	3	11	0
9646	0	18	6	14600	1	8	0	37543	3	12	0
9668	0	18	6½	15121	1	9	0	38065	3	13	0
9690	0	18	7	15643	1	10	0	38586	3	14	0
9712	0	18	7½	16164	1	11	0	39108	3	15	0
9733	0	18	8	16685	1	12	0	39629	3	16	0
9755	0	18	8½	17207	1	13	0	40151	3	17	0
9777	0	18	9	17728	1	14	0	40672	3	18	0
9799	0	18	9½	18250	1	15	0	41194	3	19	0
9820	0	18	10	18771	1	16	0	41715	4	0	0
9842	0	18	10½	19292	1	17	0	42237	4	1	0
9864	0	18	11	19814	1	18	0	42758	4	2	0
9886	0	18	11½	20335	1	19	0	43279	4	3	0
9907	0	19	0	20857	2	0	0	43800	4	4	0
9929	0	19	0½	21378	2	1	0	44322	4	5	0
9951	0	19	1	21900	2	2	0	44843	4	6	0
9973	0	19	1½	22421	2	3	0	45365	4	7	0
9994	0	19	2	22943	2	4	0	45886	4	8	0
10016	0	19	2½	23464	2	5	0	46408	4	9	0
10037	0	19	3	23986	2	6	0	46929	4	10	0
10059	0	19	3½	24507	2	7	0	47451	4	11	0
10081	0	19	4	25029	2	8	0	47972	4	12	0

Principal.	Interest.			Principal.	Interest.			Principal.	Interest.		
£	£	s.	d.	£	£	s.	d.	£	£	s.	d.
48493	4	13	0	370428	36	0	0	1251432	120	0	0
49015	4	14	0	385858	37	0	0	1303574	125	0	0
49536	4	15	0	396286	38	0	0	1355716	130	0	0
50058	4	16	0	406715	39	0	0	1407858	135	0	0
50579	4	17	0	417136	40	0	0	1460000	140	0	0
51100	4	18	0	427573	41	0	0	1512142	145	0	0
51622	4	19	0	438000	42	0	0	1564284	150	0	0
52142	5	0	0	448429	43	0	0	1616426	155	0	0
62572	6	0	0	458856	44	0	0	1668544	160	0	0
73000	7	0	0	469287	45	0	0	1720710	165	0	0
83430	8	0	0	479716	46	0	0	1772860	170	0	0
93857	9	0	0	490144	47	0	0	1825000	175	0	0
104284	10	0	0	500576	48	0	0	1877148	180	0	0
114714	11	0	0	511000	49	0	0	1929280	185	0	0
125144	12	0	0	521430	50	0	0	1981434	190	0	0
135571	13	0	0	547500	52	10	0	2033578	195	0	0
146000	14	0	0	573572	55	0	0	2085720	200	0	0
156429	15	0	0	599643	57	10	0	2190000	210	0	0
166860	16	0	0	625716	60	0	0	2294288	220	0	0
177286	17	0	0	651787	62	10	0	2398572	230	0	0
187714	18	0	0	677858	65	0	0	2502864	240	0	0
198143	19	0	0	703929	67	10	0	2607148	250	0	0
208568	20	0	0	730000	70	0	0	2711432	260	0	0
219000	21	0	0	756071	72	10	0	2815716	270	0	0
229428	22	0	0	782142	75	0	0	2920000	280	0	0
239858	23	0	0	808213	77	10	0	3024284	290	0	0
250288	24	0	0	834272	80	0	0	3128568	300	0	0
260715	25	0	0	860355	82	10	0	3337088	320	0	0
271142	26	0	0	886430	85	0	0	3545720	340	0	0
281572	27	0	0	912500	87	10	0	3754296	360	0	0
292000	28	0	0	938574	90	0	0	3962868	380	0	0
302429	29	0	0	964645	92	10	0	4171440	400	0	0
312858	30	0	0	990717	95	0	0	4380000	420	0	0
323287	31	0	0	1016789	97	10	0	4588576	440	0	0
333720	32	0	0	1042860	100	0	0	4797144	460	0	0
344144	33	0	0	1095000	105	0	0	5005728	480	0	0
354572	34	0	0	1147144	110	0	0	5214300	500	0	0
365000	35	0	0	1199286	115	0	0				

Note—£10 10s. 6d. deposited at 3½ per cent. per annum, gives ½d. per day.

Example.—What is the interest of £326, for 29 days, at 3½ per cent?

Here, $326 \times 29 = 9454$. The nearest amount in table is 9451, opposite to which stands 18s. 1½d. interest.

APPROXIMATE PROGRESSIVE TABLE, AT 4 PER CENT. PER ANNUM,

SHEWING THE INTEREST DUE FOR ONE DAY.

SECTION I.—TABLE 5.

Principal.	Interest.	Principal.	Interest.	Principal.	Interest.
£	s. d.	£	s. d.	£	s. d.
19	0 0½	703	1 6½	1388	3 0½
38	0 1	722	1 7	1407	3 1
57	0 1½	741	1 7½	1425	3 1½
76	0 2	760	1 8	1445	3 2
95	0 2½	779	1 8½	1464	3 2½
114	0 3	798	1 9	1483	3 3
133	0 3½	817	1 9½	1502	3 3½
152	0 4	836	1 10	1521	3 4
171	0 4½	855	1 10½	1540	3 4½
190	0 5	874	1 11	1559	3 5
209	0 5½	893	1 11½	1578	3 5½
228	0 6	912	2 0	1597	3 6
247	0 6½	931	2 0½	1616	3 6½
266	0 7	951	2 1	1635	3 7
285	0 7½	970	2 1½	1654	3 7½
304	0 8	989	2 2	1673	3 8
323	0 8½	1008	2 2½	1692	3 8½
342	0 9	1027	2 3	1711	3 9
361	0 9½	1046	2 3½	1730	3 9½
380	0 10	1065	2 4	1749	3 10
399	0 10½	1084	2 4½	1768	3 10½
418	0 11	1103	2 5	1787	3 11
437	0 11½	1122	2 5½	1806	3 11½
456	1 0	1141	2 6	1825	4 0
475	1 0½	1160	2 6½	1844	4 0½
494	1 1	1179	2 7	1863	4 1
513	1 1½	1198	2 7½	1882	4 1½
532	1 2	1217	2 8	1901	4 2
551	1 2½	1236	2 8½	1920	4 2½
570	1 3	1255	2 9	1939	4 3
589	1 3½	1274	2 9½	1958	4 3½
608	1 4	1293	2 10	1977	4 4
627	1 4½	1312	2 10½	1996	4 4½
646	1 5	1331	2 11	2015	4 5
665	1 5½	1350	2 11½	2034	4 5½
684	1 6	1369	3 0	2053	4 6

Principal.	Interest.	Principal.	Interest.	Principal.	Interest.
£	s. d.	£	s. d.	£	s. d.
2072	4 6½	2909	6 4½	3745	8 2½
2091	4 7	2928	6 5	3764	8 3
2110	4 7½	2947	6 5½	3783	8 3½
2129	4 8	2966	6 6	3802	8 4
2148	4 8½	2985	6 6½	3821	8 4½
2167	4 9	3004	6 7	3840	8 5
2186	4 9½	3023	6 7½	3859	8 5½
2205	4 10	3042	6 8	3878	8 6
2224	4 10½	3061	6 8½	3897	8 6½
2243	4 11	3080	6 9	3916	8 7
2262	4 11½	3099	6 9½	3935	8 7½
2281	5 0	3118	6 10	3954	8 8
2300	5 0½	3137	6 10½	3973	8 8½
2319	5 1	3156	6 11	3992	8 9
2338	5 1½	3175	6 11½	4011	8 9½
2357	5 2	3194	7 0	4030	8 10
2376	5 2½	3213	7 0½	4049	8 10½
2395	5 3	3232	7 1	4068	8 11
2414	5 3½	3251	7 1½	4087	8 11½
2433	5 4	3270	7 2	4106	9 0
2452	5 4½	3289	7 2½	4125	9 0½
2471	5 5	3308	7 3	4144	9 1
2490	5 5½	3327	7 3½	4163	9 1½
2509	5 6	3346	7 4	4182	9 2
2528	5 6½	3365	7 4½	4201	9 2½
2547	5 7	3384	7 5	4220	9 3
2566	5 7½	3403	7 5½	4239	9 3½
2585	5 8	3422	7 6	4258	9 4
2604	5 8½	3441	7 6½	4277	9 4½
2623	5 9	3460	7 7	4296	9 5
2642	5 9½	3479	7 7½	4315	9 5½
2661	5 10	3498	7 8	4334	9 6
2680	5 10½	3517	7 8½	4353	9 6½
2699	5 11	3536	7 9	4372	9 7
2718	5 11½	3555	7 9½	4391	9 7½
2737	6 0	3574	7 10	4410	9 8
2756	6 0½	3593	7 10½	4429	9 8½
2775	6 1	3612	7 11	4448	9 9
2794	6 1½	3631	7 11½	5466	9 9½
2814	6 2	3650	8 0	4486	9 10
2833	6 2½	3669	8 0½	4505	9 10½
2852	6 3	3688	8 1	4524	9 11
2871	6 3½	3707	8 1½	4543	9 11½
2890	6 4	3726	8 2	4562	10 0

Principal.	Interest.	Principal.	Interest.	Principal.	Interest.
£	s. d.	£	s. d.	£	s. d.
4581	10 0½	5418	11 10½	6254	13 8½
4601	10 1	5437	11 11	6273	13 9
4620	10 1½	5456	11 11½	6292	13 9½
4639	10 2	5475	12 0	6311	13 10
4658	10 2½	5494	12 0½	6330	13 10½
4677	10 3	5513	12 1	6349	13 11
4696	10 3½	5532	12 1½	6368	13 11½
4715	10 4	5551	12 2	6387	14 0
4734	10 4½	5570	12 2½	6406	14 0½
4753	10 5	5589	12 3	6426	14 1
4772	10 5½	5608	12 3½	6445	14 1½
4791	10 6	5627	12 4	6464	14 2
4810	10 6½	5646	12 4½	6483	14 2½
4829	10 7	5665	12 5	6502	14 3
4848	10 7½	5684	12 5½	6521	14 3½
4867	10 8	57C3	12 6	6540	14 4
4886	10 8½	5722	12 6½	6559	14 4½
4905	10 9	5741	12 7	6578	14 5
4924	10 9½	5760	12 7½	6597	14 5½
4943	10 10	5779	12 8	6616	14 6
4962	10 10½	5798	12 8½	6635	14 6½
4981	10 11	5817	12 9	6654	14 7
5000	10 11½	5836	12 9½	6673	14 7½
5019	11 0	5855	12 10	6692	14 8
5038	11 0½	5874	12 10½	6711	14 8½
5057	11 1	5893	12 11	6730	14 9
5076	11 1½	5912	12 11½	6749	14 9½
5095	11 2	5931	13 0	6768	14 10
5114	11 2½	5950	13 0½	6787	14 10½
5133	11 3	5969	13 1	6806	14 11
5152	11 3½	5988	13 1½	6825	14 11½
5171	11 4	6007	13 2	6844	15 0
5190	11 4½	6016	13 2½	6863	15 0½
5209	11 5	6045	13 3	6882	15 1
5228	11 5½	6064	13 3½	6901	15 1½
5247	11 6	6083	13 4	6920	15 2
5266	11 6½	6102	13 4½	6939	15 2½
5285	11 7	6121	13 5	6958	15 3
8304	11 7½	6140	13 5½	6977	15 3½
5323	11 8	6159	13 6	6996	15 4
5342	11 8½	6178	13 6½	7015	15 4½
5361	11 9	6197	13 7	7034	15 5
5380	11 9½	6216	13 7½	7053	15 5½
5399	11 10	6235	13 8	7072	15 6

Principal.	Interest.	Principal.	Interest.	Principal.	Interest.
£	£ s. d.	£	£ s. d.	£	£ s. d.
7091	0 15 6½	7927	0 17 4½	8764	0 19 2½
7110	0 15 7	7946	0 17 5	8783	0 19 3
7129	0 15 7½	7965	0 17 5½	8802	0 19 3½
7148	0 15 8	7984	0 17 6	8821	0 19 4
7167	0 15 8½	8003	0 17 6½	8840	0 19 4½
7186	0 15 9	8022	0 17 7	8859	0 19 5
7205	0 15 9½	8041	0 17 7½	8878	0 19 5½
7224	0 15 10	8060	0 17 8	8897	0 19 6
7243	0 15 10½	8079	0 17 8½	8916	0 19 6½
7262	0 15 11	8098	0 17 9	8935	0 19 7
7281	0 15 11½	8117	0 17 9½	8954	0 19 7½
7300	0 16 0	8136	0 17 10	8973	0 19 8
7319	0 16 0½	9155	0 17 10½	8992	0 19 8½
7338	0 16 1	8174	0 17 11	9011	0 10 9
7357	0 16 1½	8193	0 17 11½	9030	0 19 9½
7376	0 16 2	8212	0 18 0	9049	0 19 10
7395	0 16 2½	8231	0 18 0½	9068	0 19 10½
7414	0 16 3	8251	0 18 1	9087	0 19 11
7433	0 16 3½	8270	0 18 1½	9106	0 19 11½
7452	0 16 4	8289	0 18 2	9125	1 0 0
7471	0 16 4½	8308	0 18 2½	9581	1 1 0
7490	0 16 5	8327	0 18 3	10037	1 2 0
7509	0 16 5½	8346	0 18 3½	10493	1 3 0
7528	0 16 6	8365	0 18 4	10949	1 4 0
7547	0 16 6½	8384	0 18 4½	11405	1 5 0
7566	0 16 7	8403	0 18 5	11861	1 6 0
7585	0 16 7½	8422	0 18 5½	12317	1 7 0
7604	0 16 8	8441	0 18 6	12773	1 8 0
7623	0 16 8½	8460	0 18 6½	13229	1 9 0
7642	0 16 9	8479	0 18 7	13686	1 10 0
7661	0 16 9½	8498	0 18 7½	14144	1 11 0
7680	0 16 10	8517	0 18 8	14600	1 12 0
7699	0 16 10½	8536	0 18 8½	15056	1 13 0
7718	0 16 11	8555	0 18 9	15512	1 14 0
7737	0 16 11½	8574	0 18 9½	15968	1 15 0
7756	0 17 0	8593	0 18 10	16424	1 16 0
7775	0 17 0½	8612	0 18 10½	16880	1 17 0
7794	0 17 1	8631	0 18 11	17338	1 18 0
7813	0 17 1½	8650	0 18 11½	17794	1 19 0
7832	0 17 2	8669	0 19 0	18250	2 0 0
7851	0 17 2½	8688	0 19 0½	18706	2 1 0
7870	0 17 3	8707	9 19 1	19162	2 2 0
7889	0 17 3½	8726	0 19 1½	19618	2 3 0
7908	0 17 4	8745	0 19 2	20075	2 4 0

Principal.	Interest.			Principal.	Interest.			Principal.	Interest.		
£	£	s.	d.	£	£	s.	d.	£	£	s.	d.
20532	2	5	0	40606	4	9	0	346750	38	0	0
20988	2	6	0	41064	4	10	0	355875	39	0	0
21444	2	7	0	41518	4	11	0	365000	40	0	0
21900	2	8	0	41976	4	12	0	374125	41	0	0
22356	2	9	0	42431	4	13	0	383250	42	0	0
22810	2	10	0	42888	4	14	0	392375	43	0	0
23268	2	11	0	43343	4	15	0	401500	44	0	0
23724	2	12	0	43800	4	16	0	410625	45	0	0
24180	2	13	0	44256	4	17	0	419750	46	0	0
24637	2	14	0	44712	4	18	0	428875	47	0	0
25093	2	15	0	45169	4	19	0	438000	48	0	0
25546	2	16	0	45624	5	0	0	447125	49	0	0
26006	2	17	0	54744	6	0	0	456250	50	0	0
26458	2	18	0	63872	7	0	0	479066	52	10	0
26919	2	19	0	73000	8	0	0	501875	55	0	0
27372	3	0	0	82128	9	0	0	524680	57	10	0
27831	3	1	0	91248	10	0	0	547500	60	0	0
28288	3	2	0	100375	11	0	0	570310	62	10	0
28744	3	3	0	109500	12	0	0	593125	65	0	0
29200	3	4	0	118625	13	0	0	615930	67	10	0
29656	3	5	0	127744	14	0	0	638750	70	0	0
30112	3	6	0	136875	15	0	0	661560	72	10	0
30568	3	7	0	146000	16	0	0	684370	75	0	0
31024	3	8	0	155125	17	0	0	707185	77	10	0
31480	3	9	0	164256	18	0	0	730000	80	0	0
31936	3	10	0	173375	19	0	0	752815	82	10	0
32393	3	11	0	182500	20	0	0	775620	85	0	0
32848	3	12	0	191625	21	0	0	798435	87	10	0
33306	3	13	0	200750	22	0	0	821250	90	0	0
33760	3	14	0	209875	23	0	0	844065	92	10	0
34218	3	15	0	219000	24	0	0	866870	95	0	0
34676	3	16	0	228125	25	0	0	889685	97	10	0
35131	3	17	0	237250	26	0	0	912500	100	0	0
35586	3	18	0	246375	27	0	0	958125	105	0	0
36044	3	19	0	255500	28	0	0	1003750	110	0	0
36500	4	0	0	264625	29	0	0	1049375	115	0	0
36956	4	1	0	273750	30	0	0	1095000	120	0	0
37412	4	2	0	282875	31	0	0	1140625	125	0	0
37868	4	3	0	292000	32	0	0	1186250	130	0	0
38324	4	4	0	301125	33	0	0	1231875	135	0	0
38781	4	5	0	310250	34	0	0	1277500	140	0	0
39236	4	6	0	319375	35	0	0	1323125	145	0	0
39693	4	7	0	328500	36	0	0	1368750	150	0	0
40150	4	8	0	337625	37	0	0	1414375	155	0	0

Principal.	Interest.			Principal.	Interest.			Principal.	Interest.		
£	£	s.	d.	£	£	s.	d.	£	£	s.	d.
1460000	160	0	0	2007500	220	0	0	3102500	340	0	0
1505625	165	0	0	2098750	230	0	0	3285000	360	0	0
1551250	170	0	0	2190000	240	0	0	3467500	380	0	0
1596870	175	0	0	2281250	250	0	0	3650000	400	0	0
1642500	180	0	0	2372500	260	0	0	3832500	420	0	0
1688120	185	0	0	2463750	270	0	0	4015000	440	0	0
1733750	190	0	0	2555000	280	0	0	4197500	460	0	0
1779370	195	0	0	2646250	290	0	0	4380000	480	0	0
1825000	200	0	0	2737500	300	0	0	4562500	500	0	0
1916250	210	0	0	2920000	320	0	0				

Note—£9 10s. deposited at 4 per cent. gives ¼d. per day.

Example—What amount of interest is due upon the sum of £496 for 20 days, at 4 per cent?

Here, 496 multiplied by 20 gives 9920. The nearest numbers given in the Table are 9581, which gives - - £1 1 0
and 342, which gives - - 0 0 9

This brings the interest out to ¼ of a farthing £1 1 9

APPROXIMATE PROGRESSIVE TABLE AT 4½ PER CENT. PER ANNUM,

SHEWING THE INTEREST DUE FOR ONE DAY.

SECTION I.—TABLE 6.

Principal.	Interest.		Principal.	Interest.		Principal.	Interest.	
£	s.	d.	£	s.	d.	£	s.	d.
17	0	0½	220	0	6½	423	1	0½
34	0	1	237	0	7	439	1	1
51	0	1½	253	0	7½	456	1	1½
68	0	2	270	0	8	473	1	2
85	0	2½	287	0	8½	490	1	2½
101	0	3	304	0	9	507	1	3
118	0	3½	321	0	9½	524	1	3½
135	0	4	338	0	10	541	1	4
152	0	4½	355	0	10½	558	1	4½
169	0	5	372	0	11	575	1	5
186	0	5½	389	0	11½	591	1	5½
203	0	6	406	1	0	608	1	6

Principal.	Interest.	Principal.	Interest.	Principal.	Interest.
£	s. d.	£	s. d.	£	s. d.
625	1 6½	1369	3 4½	2112	5 2½
642	1 7	1386	3 5	2129	5 3
659	1 7½	1403	3 5½	2146	5 3½
676	1 8	1419	3 6	2163	5 4
693	1 8½	1436	3 6½	2180	5 4½
710	1 9	1453	3 7	2197	5 5
727	1 9½	1470	3 7½	2214	5 5½
744	1 10	1487	3 8	2231	5 6
761	1 10½	1504	3 8½	2248	5 6½
777	1 11	1521	3 9	2264	5 7
794	1 11½	1538	3 9½	2281	5 7½
811	2 0	1555	3 10	2298	5 8
828	2 0½	1572	3 10½	2315	5 8½
845	2 1	1588	3 11	2332	5 9
862	2 1½	1605	3 11½	2349	5 9½
879	2 2	1622	4 0	2366	5 10
896	2 2½	1639	4 0½	2383	5 10½
913	2 3	1656	4 1	2400	5 11
929	2 3½	1673	4 1½	2417	5 11½
946	2 4	1690	4 2	2433	6 0
963	2 4½	1707	4 2½	2450	6 0½
980	2 5	1724	4 3	2467	6 1
997	2 5½	1741	4 3½	2484	6 1½
1014	2 6	1757	4 4	2501	6 2
1031	2 6½	1774	4 4½	2518	6 2½
1048	2 7	1791	4 5	2535	6 3
1065	2 7½	1808	4 5½	2552	6 3½
1081	2 8	1825	4 6	2569	6 4
1098	2 8½	1842	4 6½	2586	6 4½
1115	2 9	1859	4 7	2602	6 5
1132	2 9½	1876	4 7½	2619	6 5½
1149	2 10	1893	4 8	2636	6 6
1166	2 10½	1910	4 8½	2653	6 6½
1183	2 11	1926	4 9	2670	6 7
1200	2 11½	1943	4 9½	2687	6 7½
1217	3 0	1960	4 10	2704	6 8
1234	3 0½	1977	4 10½	2721	6 8½
1250	3 1	1994	4 11	2737	6 9
1267	3 1½	2011	4 11½	2754	6 9½
1284	3 2	2028	5 0	2771	6 10
1301	3 2½	2045	5 0½	2788	6 10½
1318	3 3	2062	5 1	2805	6 11
1335	3 3½	2079	5 1½	2822	6 11½
1352	3 4	2095	5 2	2839	7 0

Principal.	Interest.	Principal.	Interest.	Principal.	Interest.
£	s. d.	£	s. d.	£	s. d.
2856	7 0½	3599	8 10½	4343	10 8½
2873	7 1	3616	8 11	4360	10 9
2890	7 1½	3633	9 11½	4377	10 9½
2906	7 2	3650	9 0	4394	10 10
2923	7 2½	3667	9 0½	4411	10 10½
2940	7 3	3684	9 1	4427	10 11
2957	7 3½	3701	9 1½	4444	10 11½
2974	7 4	3718	9 2	4461	11 0
2991	7 4½	3735	9 2½	4478	11 0½
3008	7 5	3751	9 3	4495	11 1
3025	7 5½	3768	9 3½	4512	11 1½
3042	7 6	3785	9 4	4529	11 2
3059	7 6½	3802	9 4½	4546	11 2½
3075	7 7	3819	9 5	4562	11 3
3092	7 7½	3836	9 5½	4579	11 3½
3109	7 8	3853	9 6	4596	11 4
3126	7 8½	3870	9 6½	4613	11 4½
3143	7 9	3887	9 7	4630	11 5
3160	7 9½	3904	9 7½	4647	11 5½
3177	7 10	3920	9 8	4664	11 6
3194	7 10½	3937	9 8½	4681	11 6½
3211	7 11	3954	9 9	4698	11 7
3228	7 11½	3971	9 9½	4715	11 7½
3244	8 0	3988	9 10	4731	11 8
3261	8 0½	4005	9 10½	4748	11 8½
3278	8 1	4022	9 11	4765	11 9
3295	8 1½	4039	9 11½	4782	11 9½
3312	8 2	4056	10 0	4799	11 10
3329	8 2½	4073	10 0½	4816	11 10½
3346	8 3	4089	10 1	4833	11 11
3363	8 3½	4106	10 1½	4850	11 11½
3380	8 4	4123	10 2	4867	12 0
3397	8 4½	4140	10 2½	4884	12 0½
3413	8 5	4157	10 3	4900	12 1
3430	8 5½	4174	10 3½	4917	12 1½
3447	8 6	4191	10 4	4934	12 2
3464	8 6½	4208	10 4½	4951	12 2½
3481	8 7	4225	10 5	4968	12 3
3499	8 7½	4242	10 5½	4985	12 3½
3515	8 8	4258	10 6	5002	12 4
3532	8 8½	4275	10 6½	5019	12 4½
3549	8 9	4292	10 7	5036	12 5
3566	8 9½	4309	10 7½	5053	12 5½
3582	8 10	4326	10 8	5069	12 6

Principal.	Inerest.	Principal.	Interest.	Principal.	Interest.
£	s. d.	£	s. d.	£	s. d.
5086	12 6½	5830	14 4½	6573	16 2½
5103	12 7	5847	14 5	6590	16 3
5120	12 7½	5864	14 5½	6607	16 3½
5137	12 8	5881	14 6	6624	16 4
5154	12 8½	5898	14 6½	6641	16 4½
5171	12 9	5914	14 7	6658	16 5
5188	12 9½	5931	14 7½	6675	16 5½
5205	12 10	5948	14 8	6692	16 6
5222	12 10½	5965	14 8½	6709	16 6½
5238	12 11	5982	14 9	6725	16 7
5255	12 11½	5999	14 9½	6742	16 7½
5272	13 0	6016	14 10	6759	16 8
5289	13 0½	6033	14 10½	6576	16 8½
5306	13 1	6050	14 11	6793	16 9
5323	13 1½	6067	14 11½	6810	16 9½
5340	13 2	6083	15 0	6827	16 10
5357	13 2½	6100	15 0½	6844	16 10½
5374	13 3	6117	15 1	6861	16 11
5391	13 3½	6134	15 1½	6878	16 11½
5407	13 4	6151	15 2	6894	17 0
5424	13 4½	6168	15 2½	6911	17 0½
5441	13 5	6185	15 3	6928	17 1
5458	13 5½	6202	15 3½	6945	17 1½
5475	13 6	6219	15 4	6962	17 2
5492	13 6½	6236	15 4½	6979	17 2½
5509	13 7	6252	15 5	6996	17 3
5526	13 7½	6269	15 5½	7013	17 3½
5543	13 8	6286	15 6	7030	17 4
5560	13 8½	6303	15 6½	7047	17 4½
5576	13 9	6320	15 7	7063	17 5
5593	13 9½	6337	15 7½	7080	17 5½
5610	13 10	6354	15 8	7097	17 6
5627	13 10½	6371	15 8½	7114	17 6½
5644	13 11	6387	15 9	7131	17 7
5661	13 11½	6404	15 9½	7148	17 7½
5678	14 0	6421	15 10	7165	17 8
5695	14 0½	6438	15 10½	7182	17 8½
5712	14 1	6455	15 11	7190	17 9
5729	14 1½	5472	15 11½	7216	17 9½
5745	14 2	6489	16 0	7232	17 10
5762	14 2½	6506	16 0½	7249	17 10½
5779	14 3	6523	16 1	7266	17 11
5796	14 3½	6540	16 1½	7283	17 11½
5813	14 4	6556	16 2	7300	18 0

Principal.	Interest.	Principal.	Interest.	Principal.	Interest.
£	£ s. d.	£	£ s. d.	£	£ s. d.
7317	0 18 0½	8031	0 19 10½	24738	3 1 0
7334	0 18 1	8077	0 19 11	25143	3 2 0
7351	0 18 1½	8094	0 19 11½	25548	3 3 0
7368	0 18 2	8111	1 0 0	25960	3 4 0
7385	0 18 2½	8516	1 1 0	26359	3 5 0
7401	0 18 3	8922	1 2 0	26772	3 6 0
7418	0 18 3½	9328	1 3 0	27170	3 7 0
7435	0 18 4	9734	1 4 0	27576	3 8 0
7452	0 18 4½	10136	1 5 0	27982	3 9 0
7469	0 18 5	10542	1 6 0	28388	3 10 0
7486	0 18 5½	10950	1 7 0	28794	3 11 0
7503	0 18 6	11356	1 8 0	29200	3 12 0
7520	0 18 6½	11762	1 9 0	29606	3 13 0
7537	0 18 7	12168	1 10 0	30012	3 14 0
7554	0 18 7½	12574	1 11 0	30417	3 15 0
7570	0 18 8	12980	1 12 0	30823	3 16 0
7587	0 18 8½	13386	1 13 0	31228	3 17 0
7604	0 18 9	13792	1 14 0	31634	3 18 0
7621	0 18 9½	14194	1 15 0	32039	3 19 0
7638	0 18 10	14600	1 16 0	32444	4 0 0
7655	0 18 10½	15006	1 17 0	32849	4 1 0
7672	0 18 11	15312	1 18 0	33255	4 2 0
7689	0 18 11½	15816	1 19 0	33661	4 3 0
7706	0 19 0	16222	2 0 0	34064	4 4 0
7723	0 19 0½	16627	2 1 0	34472	4 5 0
7739	0 19 1	17032	2 2 0	34872	4 6 0
7756	0 19 1½	17436	2 3 0	35283	4 7 0
7773	0 19 2	17844	2 4 0	35688	4 8 0
7790	0 19 2½	18250	2 5 0	36095	4 9 0
7807	0 19 3	18656	2 6 0	36500	4 10 0
7824	0 19 3½	19063	2 7 0	36905	4 11 0
7841	0 19 4	19468	2 8 0	37312	4 12 0
7858	0 19 4½	19874	2 9 0	37716	4 13 0
7875	0 19 5	20272	2 10 0	38121	4 14 0
7892	0 19 5½	20677	2 11 0	38526	4 15 0
7908	0 19 6	21088	2 12 0	38936	4 16 0
7925	0 19 6½	21487	2 13 0	39338	4 17 0
7942	0 19 7	21900	2 14 0	39744	4 18 0
7959	0 19 7½	22306	2 15 0	40150	4 19 0
7976	0 19 8	22712	2 16 0	40555	5 0 0
7993	0 19 8½	23118	2 17 0	48666	6 0 0
8010	0 19 9	23524	2 18 0	56777	7 0 0
8027	0 19 9½	23929	2 19 0	64888	8 0 0
8044	0 19 10	24333	3 0 0	73000	9 0 0

Principal.	Interest.			Principal.	Interest.			Principal.	Interest.		
£	£	s.	d.	£	£	s.	d.	£	£	s.	d.
81110	10	0	0	356884	44	0	0	1135452	140	0	0
89221	11	0	0	365000	45	0	0	1176000	145	0	0
97332	12	0	0	373106	46	0	0	1216544	150	0	0
105443	13	0	0	381222	47	0	0	1257088	155	0	0
113554	14	0	0	389328	48	0	0	1297632	160	0	0
121665	15	0	0	397444	49	0	0	1338176	165	0	0
129776	16	0	0	405550	50	0	0	1378720	170	0	0
137887	17	0	0	425822	52	10	0	1419264	175	0	0
146000	18	0	0	446094	55	0	0	1460000	180	0	0
154109	19	0	0	466366	57	10	0	1500544	185	0	0
162220	20	0	0	486638	60	0	0	1541088	190	0	0
170331	21	0	0	506910	62	10	0	1581632	195	0	0
178442	22	0	0	527182	65	0	0	1622200	200	0	0
186553	23	0	0	547454	67	10	0	1703308	210	0	0
194664	24	0	0	567726	70	0	0	1784376	220	0	0
202775	25	0	0	588000	72	10	0	1865484	230	0	0
210886	26	0	0	608272	75	0	0	1946552	240	0	0
219000	27	0	0	628544	77	10	0	2027780	250	0	0
227108	28	0	0	648816	80	0	0	2108728	260	0	0
235222	29	0	0	669088	82	10	0	2190000	270	0	0
243330	30	0	0	689366	85	0	0	2270904	280	0	0
251444	31	0	0	709632	87	10	0	2352000	290	0	0
259552	32	0	0	730000	90	0	0	2433088	300	0	0
267666	33	0	0	750272	92	10	0	2595264	320	0	0
275774	34	0	0	770544	95	0	0	2757440	340	0	0
283888	35	0	0	790816	97	10	0	2920000	360	0	0
292000	36	0	0	811100	100	0	0	3082176	380	0	0
300111	37	0	0	851654	105	0	0	3244400	400	0	0
308218	38	0	0	892188	110	0	0	3406616	420	0	0
316333	39	0	0	932742	115	0	0	3568752	440	0	0
324440	40	0	0	973276	120	0	0	3730968	460	0	0
332555	41	0	0	1013890	125	0	0	3893104	480	0	0
340662	42	0	0	1054364	130	0	0	4055560	500	0	0
348777	43	0	0	1095000	135	0	0				

Note—£8 10s., deposited at 4½ per cent. per annum, gives ¼d. per day.

APPROXIMATE PROGRESSIVE TABLE, AT 5 PER CENT. PER ANNUM,

SHEWING THE INTEREST DUE FOR ONE DAY.

SECTION I.—TABLE 7.

Principal.	Interest.	Principal.	Interest.	Principal.	Interest.
£ s.	s. d.	£	s. d.	£	s. d.
15 5	0 0½	562	1 6½	1110	3 0½
30 9	0 1	578	1 7	1125	3 1
46	0 1½	593	1 7½	1140	3 1½
61	0 2	608	1 8	1156	3 2
76	0 2½	623	1 8½	1171	3 2½
91	0 3	639	1 9	1186	3 3
106	0 3½	654	1 9½	1201	3 3½
122	0 4	669	1 10	1217	3 4
137	0 4½	684	1 10½	1232	3 4½
152	0 5	700	1 11	1247	3 5
167	0 5½	715	1 11½	1262	3 5½
182	0 6	730	2 0	1277	3 6
197	0 6½	745	2 0½	1292	3 6½
213	0 7	760	2 1	1308	3 7
228	0 7½	775	2 1½	1323	3 7½
243	0 8	791	2 2	1338	3 8
258	0 8½	806	2 2½	1353	3 8½
274	0 9	821	2 3	1369	3 9
289	0 9½	836	2 3½	1384	3 9½
304	0 10	852	2 4	1399	3 10
319	0 10½	867	2 4½	1414	3 10½
335	0 11	882	2 5	1430	3 11
350	0 11½	897	2 5½	1445	3 11½
365	1 0	912	2 6	1460	4 0
380	1 0½	927	2 6½	1475	4 0½
395	1 1	943	2 7	1490	4 1
410	1 1½	958	2 7½	1505	4 1½
426	1 2	973	2 8	1521	4 2
441	1 2½	988	2 8½	1536	4 2½
456	1 3	1004	2 9	1551	4 3
471	1 3½	1019	2 9½	1566	4 3½
487	1 4	1034	2 10	1582	4 4
502	1 4½	1050	2 10½	1597	4 4½
517	1 5	1065	2 11	1612	4 5
532	1 5½	1080	2 11½	1627	4 5½
547	1 6	1095	3 0	1642	4 6

Principal.	Interest.	Principal.	Interest.	Principal.	Interest.
£	s. d.	£	s. d.	£	s. d.
1657	4 6½	2327	6 4½	2996	8 2½
1673	4 7	2342	6 5	3011	8 3
1688	4 7½	2357	6 5½	3026	8 3½
1703	4 8	2372	6 6	3042	8 4
1718	4 8½	2387	6 6½	3057	8 4½
1734	4 9	2403	6 7	3072	8 5
1749	4 9½	2418	6 7½	3087	8 5½
1764	4 10	2433	6 8	3102	8 6
1779	4 10½	2448	6 8½	3117	8 6½
1795	4 11	2464	6 9	3133	8 7
1810	4 11½	2479	6 9½	3148	8 7½
1825	5 0	2494	6 10	3163	8 8
1840	5 0½	2509	6 10½	3178	8 8½
1855	5 1	2525	6 11	3194	8 9
1870	5 1½	2540	6 11½	3209	8 9½
1886	5 2	2555	7 0	3224	8 10
1901	5 2½	2570	7 0½	3239	8 10½
1916	5 3	2585	7 1	3255	8 11
1931	5 3½	2600	7 1½	3270	8 11½
1947	5 4	2616	7 2	3285	9 0
1962	5 4½	2631	7 2½	3300	9 0½
1977	5 5	2646	7 3	3315	9 1
1992	5 5½	2661	7 3½	3330	9 1½
2007	5 6	2677	7 4	3346	9 2
2022	5 6½	2692	7 4½	3361	9 2½
2038	5 7	2707	7 5	3376	9 3
2053	5 7½	2722	7 5½	3391	9 3½
2068	5 8	2737	7 6	3407	9 4
5083	5 8½	2752	7 6½	3422	9 4½
2099	5 9	2768	7 7	3437	9 5
2114	5 9½	2783	7 7½	3452	9 5½
2129	5 10	2798	7 8	3467	9 6
2144	5 10½	2813	7 8½	3482	9 6½
2160	5 11	2829	7 9	3498	9 7
2175	5 11½	2844	7 9½	3513	9 7½
2190	6 0	2859	7 10	3528	9 8
2235	6 0½	2874	7 10½	3543	9 8½
2220	6 1	2890	7 11	3559	9 9
2205	6 1½	2905	7 11½	3574	9 9½
2251	6 2	2920	8 0	3589	9 10
2266	6 2½	2935	8 0½	3604	9 10½
2281	6 3	2950	8 1	3620	9 11
2296	6 3½	2965	8 1½	3635	9 11½
2312	6 4	2981	8 2	3650	10 0

Principal.	Interest.	Principal.	Interest.	Principal.	Interest.
£	s. d.	£	s. d.	£	s. d.
3665	10 0½	4334	11 10½	5003	13 8½
3680	10 1	4350	11 11	5019	13 9
3695	10 1½	4365	11 11½	5034	13 9½
3711	10 2	4380	12 0	5049	13 10
3726	10 2½	4395	12 0½	5064	13 10½
3741	10 3	4410	12 1	5080	13 11
3756	10 3½	4425	12 1½	5095	13 11½
3772	10 4	4441	12 2	5110	14 0
3787	10 4½	4456	12 2½	5125	14 0½
3802	10 5	4471	12 3	5140	14 1
3817	10 5½	4486	12 3½	5155	14 1½
3832	10 6	4502	12 4	5171	14 2
3847	10 6½	4517	12 4½	5186	14 2½
3863	10 7	4532	12 5	5201	14 3
3878	10 7½	4547	12 5½	5216	14 3½
3893	10 8	4562	12 6	5232	14 4
3908	10 8½	4577	12 6½	5247	14 4½
3924	10 9	4593	12 7	5262	14 5
3939	10 9½	4608	12 7½	5277	14 5½
3954	10 10	4623	12 8	5292	14 6
3969	10 10½	4638	12 8½	5307	14 6½
3985	10 11	4654	12 9	5323	14 7
4000	10 11½	4669	12 9½	5338	14 7½
4015	11 0	4684	12 10	5353	14 8
4030	11 0½	4699	12 10½	5368	14 8½
4045	11 1	4715	12 11	5384	14 9
4060	11 1½	4730	12 11½	5399	14 9½
4076	11 2	4745	13 0	5414	14 10
4091	11 2½	4760	13 0½	5429	14 10½
4106	11 3	4775	13 1	5445	14 11
4121	11 3½	4790	13 1½	5460	14 11½
4137	11 4	4806	13 2	5475	15 0
4152	11 4½	4821	13 2½	5490	15 0½
4167	11 5	4836	13 3	5505	15 1
4182	11 5½	4851	13 3½	5520	15 1½
4197	11 6	4867	13 4	5536	15 2
4212	11 6½	4882	13 4½	5551	15 2½
4228	11 7	4897	13 5	5566	15 3
4243	11 7½	4912	13 5½	5581	15 3½
4258	11 8	4927	13 6	5597	15 4
4273	11 8½	4942	13 6½	5612	15 4½
4289	11 9	4958	13 7	5627	15 5
4304	11 9½	4973	13 7½	5642	15 5½
4319	11 10	4988	13 8	5657	15 6

Principal.	Interest.			Principal.	Interest.			Principal.	Interest.		
£	£	s.	d.	£	£	s.	d.	£	£	s.	d.
5672	0	15	6½	6342	0	17	4½	7011	0	19	2½
5688	0	15	7	6357	0	17	5	7026	0	19	3
5703	0	15	7½	6372	0	17	5½	7041	0	19	3½
5718	0	15	8	6387	0	17	6	7057	0	19	4
5733	0	15	8½	6402	0	17	6½	7072	0	19	4½
5749	0	15	9	6418	0	17	7	7087	0	19	5
5764	0	15	9½	6433	0	17	7½	7102	0	19	5½
5779	0	15	10	6448	0	17	8	7117	0	19	6
5794	0	15	10½	6463	0	17	8½	7132	0	19	6½
5810	0	15	11	6479	0	17	9	7148	0	19	7
5825	0	15	11½	6494	0	17	9½	7163	0	19	7½
5840	0	16	0	6509	0	17	10	7178	0	19	8
5855	0	16	0½	6524	0	17	10½	7193	0	19	8½
5870	0	16	1	6540	0	17	11	7209	0	19	9
5885	0	16	1½	6555	0	17	11½	7224	0	19	9½
5901	0	16	2	6570	0	18	0	7239	0	19	10
5916	0	16	2½	6585	0	18	0½	7254	0	19	10½
5931	0	16	3	6600	0	18	1	7270	0	19	11
5946	0	16	3½	6615	0	18	1½	7285	0	19	11½
5962	0	16	4	6631	0	18	2	7300	1	0	0
5977	0	16	4½	6646	0	18	2½	7665	1	1	0
5992	0	16	5	6661	0	18	3	8030	1	2	0
6007	0	16	5½	6676	0	18	3½	8395	1	3	0
6022	0	16	6	6692	0	18	4	8760	1	4	0
6037	0	16	6½	6707	0	18	4½	9125	1	5	0
6053	0	16	7	6722	0	18	5	9490	1	6	0
6068	0	16	7½	6737	0	18	5½	9855	1	7	0
6083	0	16	8	6752	0	18	6	10220	1	8	0
6098	0	16	8½	6767	0	18	6½	10585	1	9	0
6114	0	16	9	6783	0	18	7	10950	1	10	0
6129	0	16	9½	6798	0	18	7½	11315	1	11	0
6144	0	16	10	6813	0	18	8	11680	1	12	0
6159	0	16	10½	6828	0	18	8½	12045	1	13	0
6175	0	16	11	6844	0	18	9	12410	1	14	0
6190	0	16	11½	6859	0	18	9½	12775	1	15	0
6205	0	17	0	6874	0	18	10	13140	1	16	0
6220	0	17	0½	6889	0	18	10½	13505	1	17	0
6235	0	17	1	6905	0	18	11	13870	1	18	0
6250	0	17	1½	6920	0	18	11½	14235	1	19	0
6266	0	17	2	6935	0	19	0	14600	2	0	0
6281	0	17	2½	6950	0	19	0½	14965	2	1	0
6296	0	17	3	6965	0	19	1	15330	2	2	0
6311	0	17	3½	6980	0	19	1½	15695	2	3	0
6327	0	17	4	6996	0	19	2	16060	2	4	0

Principal.	Interest.			Principal.	Interest.			Principal.	Interest.		
£	£	s.	d.	£	£	s.	d.	£	£	s.	d.
16425	2	5	0	32485	4	9	0	277400	38	0	0
16790	2	6	0	32850	4	10	0	284700	39	0	0
17155	2	7	0	33215	4	11	0	292000	40	0	0
17520	2	8	0	33580	4	12	0	299300	41	0	0
17885	2	9	0	33945	4	13	0	306600	42	0	0
18250	2	10	0	34310	4	14	0	313900	43	0	0
18615	2	11	0	34675	4	15	0	321200	44	0	0
18980	2	12	0	35040	4	16	0	328500	45	0	0
19345	2	13	0	35405	4	17	0	335800	46	0	0
19710	2	14	0	35770	4	18	0	343100	47	0	0
20075	2	15	0	36135	4	19	0	350400	48	0	0
20440	2	16	0	36500	5	0	0	357700	49	0	0
20805	2	17	0	43800	6	0	0	365000	50	0	0
21170	2	18	0	51100	7	0	0	383250	52	10	0
21535	2	19	0	58400	8	0	0	401500	55	0	0
21900	3	0	0	65700	9	0	0	419750	57	10	0
22265	3	1	0	73000	10	0	0	438000	60	0	0
22630	3	2	0	80300	11	0	0	456250	62	10	0
22995	3	3	0	87600	12	0	0	474500	65	0	0
23360	3	4	0	94900	13	0	0	492750	67	10	0
23725	3	5	0	102200	14	0	0	511000	70	0	0
24090	3	6	0	109500	15	0	0	529250	72	10	0
24455	3	7	0	116800	16	0	0	547500	75	0	0
24820	3	8	0	124100	17	0	0	565750	77	10	0
25185	3	9	0	131400	18	0	0	584000	80	0	0
25550	3	10	0	138700	19	0	0	602250	82	10	0
25915	3	11	0	146000	20	0	0	620500	85	0	0
26280	3	12	0	153300	21	0	0	638750	87	10	0
26645	3	13	0	160600	22	0	0	657000	90	0	0
27010	3	14	0	167900	23	0	0	675250	92	10	0
27375	3	15	0	175200	24	0	0	693500	95	0	0
27740	3	16	0	182500	25	0	0	711750	97	10	0
28105	3	17	0	189800	26	0	0	730000	100	0	0
28470	3	18	0	197100	27	0	0	766500	105	0	0
28835	3	19	0	204400	28	0	0	803000	110	0	0
29200	4	0	0	211700	29	0	0	839500	115	0	0
29565	4	1	0	219000	30	0	0	876000	120	0	0
29930	4	2	0	226300	31	0	0	912500	125	0	0
30295	4	3	0	233600	32	0	0	949000	130	0	0
30660	4	4	0	240900	33	0	0	985500	135	0	0
31035	4	5	0	248200	34	0	0	1022000	140	0	0
31390	4	6	0	255500	35	0	0	1058500	145	0	0
31755	4	7	0	262800	36	0	0	1095000	150	0	0
32120	4	8	0	270100	37	0	0	1131500	155	0	0

Principal.	Interest.			Principal.	Interest.			Principal.	Interest.		
£	£	s.	d.	£	£	s.	d.	£	£	s.	d.
1168000	160	0	0	1606000	220	0	0	2482000	340	0	0
1204500	165	0	0	1679000	230	0	0	2628000	360	0	0
1241000	170	0	0	1752000	249	0	0	2774000	380	0	9
1277500	175	0	0	1825000	250	0	0	2920000	400	0	0
1314000	180	0	0	1898000	260	0	0	3066000	420	6	0
1350500	185	0	0	1971000	270	0	0	3212000	440	0	0
1387000	190	0	0	2044000	280	0	0	3358000	460	0	0
1423500	195	0	6	2117000	290	0	0	3504000	480	0	0
1460000	200	0	0	2190000	300	0	0	3650000	500	0	0
1533000	210	0	0	2336000	320	0	0				

Note—£7 12s. 6d., deposited at 5 per cent interest, gives ¼d. per day.

INTEREST FOR ONE CALENDER MONTH,

UPON THE VARIOUS AMOUNTS IN TABLES FROM ONE TO TWENTY-FIVE PER CENT.

SECTION I.—TABLE 8.

Principal	1 per cent.			1½ per cent.			2 per cent.			2½ per cent.		
£	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1	0	0	0½	0	0	0½	0	0	0½	0	0	0½
2	0	0	0½	0	0	0½	0	0	0½	0	0	1
3	0	0	0½	0	0	0¾	0	0	1	0	0	1½
4	0	0	0¾	0	0	1½	0	0	1½	0	0	2
5	0	0	1	0	0	1½	0	0	2	0	0	2½
6	0	0	1¼	0	0	1¾	0	0	2½	0	0	3
7	0	0	1½	0	0	2	0	0	3	0	0	3½
8	0	0	1¾	0	0	2½	0	0	3½	0	0	4
9	0	0	2	0	0	2½	0	0	4	0	0	4½
10	0	0	2	0	0	3	0	0	4½	0	0	5
20	0	0	4	0	0	6	0	0	8	0	0	10
30	0	0	6	0	0	9	0	1	0	0	1	3
40	0	0	8	0	1	0	0	1	4	0	1	8
50	0	0	10	0	1	3	0	1	8	0	2	1
60	0	1	0	0	1	6	0	2	0	0	2	6
70	0	1	2	0	1	9	0	2	4	0	2	11
80	0	1	4	0	2	0	0	2	8	0	3	4
90	0	1	6	0	2	3	0	3	0	0	3	9
100	0	1	8	0	2	6	0	3	4	0	4	2
200	0	3	4	0	5	0	0	6	8	0	8	4
300	0	5	0	0	7	6	0	10	0	0	12	6
400	0	6	8	0	10	0	0	13	4	0	16	8
500	0	8	4	0	12	6	0	16	8	1	0	10
600	0	10	0	0	15	0	1	0	0	1	5	0
700	0	11	8	0	17	6	1	3	4	1	9	2
800	0	13	4	1	0	0	1	6	8	1	13	4
900	0	15	0	1	2	6	1	10	0	1	17	6
1000	0	16	8	1	5	0	1	13	4	2	1	8
2000	1	13	4	2	10	0	3	6	8	4	3	4
3000	2	10	0	3	15	0	5	0	0	6	5	0
4000	3	6	8	5	0	0	6	13	4	8	6	8
5000	4	3	4	6	5	0	8	6	8	10	8	4
6000	5	0	0	7	10	0	10	0	0	12	10	0
7000	5	16	8	8	15	0	11	13	4	14	11	8
8000	6	13	4	10	0	0	13	6	8	16	13	4
9000	7	10	0	11	5	0	15	0	0	18	15	0
10000	8	6	8	12	10	0	16	13	4	20	16	8
100000	83	6	8	125	0	0	166	13	4	208	6	8
1000000	833	6	8	1250	0	0	1666	13	4	2083	6	8

MONTHLY INTEREST TABLE,

CONTINUED.

Principal	3 per cent.			3¼ per cent.			3½ per cent.			4 per cent.		
£	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1	0	0	0¼	0	0	0¼	0	0	0¼	0	0	0¾
2	0	0	1¼	0	0	1¼	0	0	1¼	0	0	1½
3	0	0	1¾	0	0	2	0	0	2	0	0	2¼
4	0	0	2¼	0	0	2½	0	0	2¾	0	0	3¼
5	0	0	3	0	0	3¼	0	0	3½	0	0	4
6	0	0	3½	0	0	4	0	0	4¼	0	0	4¾
7	0	0	4	0	0	4½	0	0	4¾	0	0	5½
8	0	0	4¾	0	0	5¼	0	0	5½	0	0	6¼
9	0	0	5¼	0	0	6	0	0	6¼	0	0	7¼
10	0	0	6	0	0	6½	0	0	7	0	0	8
20	0	1	0	0	1	1¼	0	1	2	0	1	4
30	0	1	6	0	1	7½	0	1	9	0	2	0
40	0	2	0	0	2	2½	0	2	4	0	2	8
50	0	2	6	0	2	9¼	0	2	11	0	3	4
60	0	3	0	0	3	3	0	3	6	0	4	0
70	0	3	6	0	3	9½	0	4	1	0	4	8
80	0	4	0	0	4	5	0	4	8	0	5	4
90	0	4	6	0	4	10½	0	5	3	0	6	0
100	0	5	0	0	5	6½	0	5	10	0	6	8
200	0	10	0	0	11	1	0	11	8	0	13	4
300	0	15	0	0	16	8	0	17	6	1	0	0
400	1	0	0	1	2	2	1	3	4	1	6	8
500	1	5	0	1	7	9½	1	9	2	1	13	4
600	1	10	0	1	13	4	1	15	0	2	0	0
700	1	15	0	1	18	10	2	0	10	2	6	8
800	2	0	0	2	4	4	2	6	8	2	13	4
900	2	5	0	2	10	0	2	12	6	3	0	0
1000	2	10	0	2	15	6½	2	18	4	3	6	8
2000	5	0	0	5	11	1	5	16	8	6	13	4
3000	7	10	0	8	6	7½	8	15	0	10	0	0
4000	10	0	0	11	2	2	11	13	4	13	6	8
5000	12	10	0	13	17	9	14	11	8	16	13	4
6000	15	0	0	16	13	3	17	10	0	20	0	0
7000	17	10	0	19	8	10	20	8	4	23	6	8
8000	20	0	0	22	4	4	23	6	8	26	13	4
9000	22	10	0	25	0	0	26	5	0	30	0	0
10000	25	0	0	27	15	6	29	3	4	33	6	8
100000	250	0	0	277	15	6	291	13	4	333	6	8
1000000	2500	0	0	2777	15	6	2916	13	4	3333	6	8

MONTHLY INTEREST TABLE.

CONTINUED.

Principal	4½ per cent.			5 per cent.			5½ per cent.			6 per cent.		
£	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1	0	0	0¾	0	0	1	0	0	1	0	0	1¼
2	0	0	1½	0	0	2	0	0	2¼	0	0	2½
3	0	0	2¼	0	0	3	0	0	3¼	0	0	3¾
4	0	0	3¼	0	0	4	0	0	4½	0	0	4¾
5	0	0	4¼	0	0	5	0	0	5¼	0	0	6
6	0	0	5¼	0	0	6	0	0	6¼	0	0	7¼
7	0	0	6¼	0	0	7	0	0	7¾	0	0	8¼
8	0	0	7¼	0	0	8	0	0	8¾	0	0	9¼
9	0	0	8	0	0	9	0	0	9¾	0	0	10¾
10	0	0	9	0	0	10	0	0	11	0	1	0
20	0	1	6	0	1	8	0	1	10	0	2	0
30	0	2	3	0	2	6	0	2	9	0	3	0
40	0	3	0	0	3	4	0	3	8	0	4	0
50	0	3	9	0	4	2	0	4	7	0	5	0
60	0	4	6	0	5	0	0	5	6	0	6	0
70	0	5	3	0	5	10	0	6	5	0	7	0
80	0	6	0	0	6	8	0	7	4	0	8	0
90	0	6	9	0	7	6	0	8	3	0	9	0
100	0	7	6	0	8	4	0	9	2	0	10	0
200	0	15	0	0	16	8	0	18	4	1	0	0
300	1	2	6	1	5	0	1	7	6	1	10	0
400	1	10	0	1	13	4	1	16	8	2	0	0
500	1	17	6	2	1	8	2	5	10	2	10	0
600	2	5	0	2	10	0	2	15	0	3	0	0
700	2	12	6	2	18	4	3	4	2	3	10	0
800	3	0	0	3	6	8	3	13	4	4	0	0
900	3	7	6	3	15	0	4	2	6	4	10	0
1000	3	15	0	4	3	4	4	11	8	5	0	0
2000	7	10	0	8	6	8	9	3	4	10	0	0
3000	11	5	0	12	10	0	13	15	0	15	0	0
4000	15	0	0	16	13	4	18	6	8	20	0	0
5000	18	15	0	20	16	8	22	18	4	25	0	0
6000	22	10	0	25	0	0	27	10	0	30	0	0
7000	26	5	0	29	3	4	32	1	8	35	0	0
8000	30	0	0	33	6	8	36	13	4	40	0	0
9000	33	15	0	37	10	0	41	5	0	45	0	0
10000	37	10	0	41	13	4	45	16	8	50	0	0
100000	375	0	0	416	13	4	458	6	8	500	0	0
1000000	3750	0	0	4166	13	4	4583	6	8	5000	0	0

MONTHLY INTEREST TABLE.

CONTINUED.

Principal	6¼ per cent.			7 per cent.			7½ per cent.			8 per cent.		
£	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1	0	0	1¼	0	0	1¼	0	0	1½	0	0	1⅓
2	0	0	2½	0	0	2⅓	0	0	3	0	0	3⅓
3	0	0	3⅔	0	0	4⅓	0	0	4½	0	0	4⅔
4	0	0	5¼	0	0	5¼	0	0	6	0	0	6⅔
5	0	0	6¾	0	0	7	0	0	7½	0	0	8
6	0	0	7½	0	0	8¼	0	0	9	0	0	9⅓
7	0	0	9	0	0	9⅔	0	0	10½	0	0	11⅓
8	0	0	10½	0	0	11	0	1	0	0	1	0⅔
9	0	0	11⅔	0	1	0½	0	1	1½	0	1	2⅓
10	0	1	1	0	1	2	0	1	3	0	1	4
20	0	2	2	0	2	4	0	2	6	0	2	8
30	0	3	3	0	3	6	0	3	9	0	4	0
40	0	4	4	0	4	8	0	5	0	0	5	4
50	0	5	5	0	5	10	0	6	3	0	6	8
60	0	6	6	0	7	0	0	7	6	0	8	0
70	0	7	7	0	8	2	0	8	9	0	9	4
80	0	8	8	0	9	4	0	10	0	0	10	8
90	0	9	9	0	10	6	0	11	3	0	12	0
100	0	10	10	0	11	8	0	12	6	0	13	4
200	1	1	8	1	3	4	1	5	0	1	6	8
300	1	12	6	1	15	0	1	17	6	2	0	0
400	2	3	4	2	6	8	2	10	0	2	13	4
500	2	14	2	2	18	4	3	2	6	3	6	8
600	3	5	0	3	10	0	3	15	0	4	0	0
700	3	15	10	4	1	8	4	7	6	4	13	4
800	4	6	8	4	13	4	5	0	0	5	6	8
900	4	17	6	5	5	0	5	12	6	6	0	0
1000	5	8	4	5	16	8	6	5	0	6	13	4
2000	10	16	8	11	13	4	12	10	0	13	6	8
3000	16	5	0	17	10	0	18	15	0	20	0	0
4000	21	13	4	23	6	8	25	0	0	26	13	4
5000	27	1	8	29	3	4	31	5	0	33	6	8
6000	32	10	0	35	0	0	37	10	0	40	0	0
7000	37	18	4	40	16	8	43	15	0	46	13	4
8000	43	6	8	46	13	4	50	0	0	53	6	8
9000	48	15	0	52	10	9	56	5	0	60	0	0
10000	54	3	4	58	6	8	62	10	0	66	13	4
100000	541	13	4	583	6	8	625	0	0	666	13	4
1000000	5416	13	4	5833	6	8	6250	0	0	6666	13	4

MONTHLY INTEREST TABLE,

CONTINUED.

Principal	8¼ per cent.			9 per cent.			9¼ per cent.			10 per cent.		
£	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1	0	0	1¾	0	0	1¾	0	0	1¾	0	0	2
2	0	0	3½	0	0	3½	0	0	3¾	0	0	4
3	0	0	5	0	0	5¼	0	0	5¾	0	0	6
4	0	0	6¾	0	0	7	0	0	7½	0	0	8
5	0	0	8⅓	0	0	9	0	0	9⅜	0	0	10
6	0	0	10¼	0	0	10¾	0	0	11¼	0	1	0
7	0	0	11¾	0	1	0½	0	1	1¼	0	1	2
8	0	1	1½	0	1	2½	0	1	3¼	0	1	4
9	0	1	3¼	0	1	4½	0	1	5	0	1	6
10	0	1	5	0	1	6	0	1	7	0	1	8
20	0	2	10	0	3	0	0	3	2	0	3	4
30	0	4	3	0	4	6	0	4	9	0	5	0
40	0	5	8	0	6	0	0	6	4	0	6	8
50	0	7	1	0	7	6	0	7	11	0	8	4
60	0	8	6	0	9	0	0	9	6	0	10	0
70	0	9	11	0	10	6	0	11	1	0	11	8
80	0	11	4	0	12	0	0	12	8	0	13	4
90	0	12	9	0	13	6	0	14	3	0	15	0
100	0	14	2	0	15	0	0	15	10	0	16	8
200	1	8	4	1	10	0	1	11	8	1	13	4
300	2	2	6	2	5	0	2	7	6	2	10	0
400	2	16	8	3	0	0	3	3	4	3	6	8
500	3	10	10	3	15	0	3	19	2	4	3	4
600	4	5	0	4	10	0	4	15	0	5	0	0
700	4	19	2	5	5	0	5	10	10	5	16	8
800	5	13	4	6	0	0	6	6	8	6	13	4
900	6	7	6	6	15	0	7	2	6	7	10	0
1000	7	1	8	7	10	0	7	18	4	8	6	8
2000	14	3	4	15	0	0	15	16	8	16	13	4
3000	21	5	0	22	10	0	23	15	0	25	0	0
4000	28	6	8	30	0	0	31	13	4	33	6	8
5000	35	8	4	37	10	0	39	11	8	41	13	4
6000	42	10	0	45	0	0	47	10	0	50	0	0
7000	49	11	8	52	10	0	55	8	4	58	6	8
8000	56	13	4	60	0	0	63	6	8	66	13	4
9000	63	15	0	67	10	0	71	5	0	75	0	0
10000	70	16	8	75	0	0	79	3	4	83	6	8
100000	708	6	8	750	0	0	791	13	4	833	6	8
1000000	7083	6	8	7500	0	0	7916	13	4	8333	6	8

MONTHLY INTEREST TABLE.

CONTINUED.

Principal	11 per cent.			12 per cent.			13 per cent.			14 per cent.		
£	£.	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1	0	0	2	0	0	2½	0	0	2½	0	0	3
2	0	0	4½	0	0	4½	0	0	5	0	0	5½
3	0	0	6½	0	0	7	0	0	7½	0	0	8½
4	0	0	8½	0	0	9½	0	0	10½	0	0	11
5	0	0	11	0	1	0	0	1	1	0	1	2
6	0	1	1	0	1	2½	0	1	3½	0	1	4½
7	0	1	3½	0	1	4½	0	1	6	0	1	7½
8	0	1	5½	0	1	7	0	1	8½	0	1	10
9	0	1	7½	0	1	9½	0	1	11½	0	2	1
10	0	1	10	0	2	0	0	2	2	0	2	4
20	0	3	8	0	4	0	0	4	4	0	4	8
30	0	5	6	0	6	0	0	6	6	0	7	0
40	0	7	4	0	8	0	0	8	8	0	9	4
50	0	9	2	0	10	0	0	10	10	0	11	8
60	0	11	0	0	12	0	0	13	0	0	14	0
70	0	12	10	0	14	0	0	15	2	0	16	4
80	0	14	8	0	16	0	0	17	4	0	18	8
90	0	16	6	0	18	0	0	19	6	1	1	0
100	0	18	4	1	0	0	1	1	8	1	3	4
200	1	16	8	2	0	0	2	3	4	2	6	8
300	2	15	0	3	0	0	3	5	0	3	10	0
400	3	13	4	4	0	0	4	6	8	4	13	4
500	4	11	8	5	0	0	5	8	4	5	16	8
600	5	10	0	6	0	0	6	10	0	7	0	0
700	6	8	4	7	0	0	7	11	8	8	3	4
800	7	6	8	8	0	0	8	13	4	9	6	8
900	8	5	0	9	0	0	9	15	0	10	10	0
1000	9	3	4	10	0	0	10	16	8	11	13	4
2000	18	6	8	20	0	0	21	13	4	23	6	8
3000	27	10	0	30	0	0	32	10	0	35	0	0
4000	36	13	4	40	0	0	43	6	8	46	13	4
5000	45	16	8	50	0	0	54	3	4	58	6	8
6000	55	0	0	60	0	0	65	0	0	70	0	0
7000	64	3	4	70	0	0	75	16	8	81	13	4
8000	73	6	8	80	0	0	86	13	4	93	6	8
9000	82	10	0	90	0	0	97	10	0	105	0	0
10000	91	13	4	100	0	0	108	6	8	116	13	4
100000	916	13	4	1000	0	0	1083	6	8	1166	13	4
1000000	9166	13	4	10000	0	0	10833	6	8	11666	13	4

MONTHLY INTEREST TABLE,

CONTINUED.

Principal	15 per cent.			16 per cent.			17 per cent.			18 per cent.		
£	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1	0	0	3	0	0	3	0	0	3½	0	0	3½
2	0	0	6	0	0	6½	0	0	6¾	0	0	7
3	0	0	9	0	0	9½	0	0	10	0	0	10½
4	0	1	0	0	1	0	0	1	1⅓	0	1	2⅓
5	0	1	3	0	1	4	0	1	5	0	1	6
6	0	1	6	0	1	7	0	1	8½	0	1	9½
7	0	1	9	0	1	10½	0	1	11⅔	0	2	1
8	0	2	0	0	2	1⅓	0	2	2⅔	0	2	4⅓
9	0	2	3	0	2	4½	0	2	6⅓	0	2	8½
10	0	2	6	0	2	8	0	2	10	0	3	0
20	0	5	0	0	5	4	0	5	8	0	6	0
30	0	7	6	0	8	0	0	8	6	0	9	0
40	0	10	0	0	10	8	0	11	4	0	12	0
50	0	12	6	0	13	4	0	14	2	0	15	0
60	0	15	0	0	16	0	0	17	0	0	18	0
70	0	17	6	0	18	8	0	19	10	1	1	0
80	1	0	0	1	1	4	1	2	8	1	4	0
90	1	2	6	1	4	0	1	5	6	1	7	0
100	1	5	0	1	6	8	1	8	4	1	10	0
200	2	10	0	2	13	4	2	16	8	3	0	0
300	3	15	0	4	0	0	4	5	0	4	10	0
400	5	0	0	5	6	8	5	13	4	6	0	0
500	6	5	0	6	13	4	7	1	8	7	10	0
600	7	10	0	8	0	0	8	10	0	9	0	0
700	8	15	0	9	6	8	9	18	4	10	10	0
800	10	0	0	10	13	4	11	6	8	12	0	0
900	11	5	0	12	0	0	13	15	0	13	10	0
1000	12	10	0	13	6	8	14	3	4	15	0	0
2000	25	0	0	26	13	4	28	6	8	30	0	0
3000	37	10	0	40	0	0	42	10	0	45	0	0
4000	50	0	0	53	6	8	56	13	4	60	0	0
5000	62	10	0	66	13	4	70	16	8	75	0	0
6000	75	0	0	80	0	0	85	0	0	90	0	0
7000	87	10	0	93	6	8	99	3	4	105	0	0
8000	100	0	0	106	13	4	113	6	8	120	0	0
9000	112	10	0	120	0	0	127	10	0	135	0	0
10000	125	0	0	133	6	8	141	13	4	150	0	0
100000	1250	0	0	1333	6	8	1416	13	4	1500	0	0
1000000	12500	0	0	13333	6	8	14166	13	4	15000	0	0

MONTHLY INTEREST TABLE,

CONTINUED.

Principal	19 per cent.			20 per cent.			21 per cent.			22 per cent.		
£	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1	0	0	3⅜	0	0	4	0	0	4	0	0	4¼
2	0	0	7¼	0	0	8	0	0	8½	0	0	9
3	0	0	11⅛	0	1	0	0	1	0¾	0	1	1
4	0	1	3	0	1	4	0	1	4¾	0	1	5
5	0	1	7	0	1	8	0	1	9	0	1	10
6	0	1	10⅝	0	2	0	0	2	1	0	2	2
7	0	2	2½	0	2	4	0	2	5¼	0	2	7
8	0	2	6⅜	0	2	8	0	2	9½	0	2	11
9	0	2	10	0	3	0	0	3	1¾	0	3	3
10	0	3	2	0	3	4	0	3	6	0	3	8
20	0	6	4	0	6	8	0	7	0	0	7	4
30	0	9	6	0	10	0	0	10	6	0	11	0
40	0	12	8	0	13	4	0	14	0	0	14	8
50	0	15	10	0	16	8	0	17	6	0	18	4
60	0	19	0	1	0	0	1	1	0	1	2	0
70	1	2	2	1	3	4	1	4	6	1	5	8
80	1	5	4	1	6	8	1	8	0	1	9	4
90	1	8	6	1	10	0	1	11	6	1	13	0
100	1	11	8	1	13	4	1	15	0	1	16	8
200	3	3	4	3	6	8	3	10	0	3	13	4
300	4	15	0	5	0	0	5	5	0	5	10	0
400	6	6	8	6	13	4	7	0	0	7	6	8
500	7	18	4	8	6	8	8	15	0	9	3	4
600	9	10	0	10	0	0	10	10	0	11	0	0
700	11	1	8	11	13	4	12	5	0	12	16	8
800	12	13	4	13	6	8	14	0	0	14	13	4
900	14	5	0	15	0	0	15	15	0	16	10	0
1000	15	16	8	16	13	4	17	10	0	18	6	8
2000	31	13	4	33	6	8	35	0	0	36	13	4
3000	47	10	0	50	0	0	52	10	0	55	0	0
4000	63	6	8	66	13	4	70	0	0	73	6	8
5000	79	3	4	83	6	8	87	10	0	91	13	4
6000	95	0	0	100	0	0	105	0	0	110	0	0
7000	110	16	8	116	13	4	122	10	0	128	6	8
8000	126	13	4	133	6	8	140	0	0	146	13	4
9000	142	10	0	150	0	0	157	10	0	165	0	0
10000	158	6	8	166	13	4	175	0	0	183	6	8
100000	1583	6	8	1666	13	4	1750	0	0	1833	6	8
1000000	15833	6	8	16666	13	4	17500	0	0	18333	6	8

MONTHLY INTEREST TABLE,

CONCLUDED.

Principal.	23 per cent.			24 per cent.			25 per cent.		
£	£	s.	d.	£	s.	d.	£	s.	d.
1	0	0	4¾	0	0	5	0	0	5
2	0	0	9½	0	0	9½	0	0	9½
3	0	1	1¾	0	1	2	0	1	2¼
4	0	1	6	0	1	7	0	1	8
5	0	1	11	0	2	0	0	2	1
6	0	2	3¼	0	2	5	0	2	6
7	0	2	8	0	2	9	0	2	10¼
8	0	3	0¼	0	3	2	0	3	3¼
9	0	3	5	0	3	7	0	3	9
10	0	3	10	0	4	0	0	4	2
20	0	7	8	0	8	0	0	8	4
30	0	11	6	0	12	0	0	12	6
40	0	15	4	0	16	0	0	16	8
50	0	19	2	1	0	0	1	0	10
60	1	3	0	1	4	0	1	5	0
70	1	6	10	1	8	0	1	9	2
80	1	10	8	1	12	0	1	13	4
90	1	14	6	1	16	0	1	17	6
100	1	18	4	2	0	0	2	1	8
200	3	16	8	4	0	0	4	3	4
300	5	15	0	6	0	0	6	5	0
400	7	13	4	8	0	0	8	6	8
500	9	11	8	10	0	0	10	8	4
600	11	10	0	12	0	0	12	10	0
700	13	8	4	14	0	0	14	11	8
800	15	6	8	16	0	0	16	13	4
900	17	5	0	18	0	0	18	15	0
1000	19	3	4	20	0	0	20	16	8
2000	38	6	8	40	0	0	41	13	4
3000	57	10	0	60	0	0	62	10	0
4000	76	13	4	80	0	0	83	6	8
5000	95	16	8	100	0	0	104	3	4
6000	115	0	0	120	0	0	125	0	0
7000	134	3	4	140	0	0	145	16	8
8000	153	6	8	160	0	0	166	13	4
9000	172	10	0	180	0	0	187	10	0
10000	191	13	4	200	0	0	208	6	8
100000	1916	13	4	2000	0	0	2083	6	8
1000000	19166	13	4	20000	0	0	20833	6	8

2 PER CENT FROM 2 TO 6 CALENDAR MONTHS.

SECTION I.—TABLE 9.

Principal	2 Months.			3 Months.			6 Months.		
£	£.	s.	d.	£	s.	d.	£	s.	d.
1	0	0	0½	0	0	0¾	0	0	1½
2	0	0	1	0	0	1½	0	0	3
3	0	0	2	0	0	3	0	0	6
4	0	0	2¾	0	0	4	0	0	8¼
5	0	0	3¾	0	0	5¼	0	0	11¼
6	0	0	4½	0	0	6¾	0	1	1½
7	0	0	5¼	0	0	7¾	0	1	3¾
8	0	0	6	0	0	9	0	1	6
9	0	0	7	0	0	10½	0	1	9
10	0	0	8	0	1	0	0	2	0
20	0	1	4	0	2	0	0	4	0
30	0	2	0	0	3	0	0	6	0
40	0	2	8	0	4	0	0	8	0
50	0	3	4	0	5	0	0	10	0
60	0	4	0	0	6	0	0	12	0
70	0	4	8	0	7	0	0	14	0
80	0	5	4	0	8	0	0	16	0
90	0	6	0	0	9	0	0	18	0
100	0	6	8	0	10	0	1	0	0
200	0	13	4	1	0	0	2	0	0
300	1	0	0	1	10	0	3	0	0
400	1	6	8	2	0	0	4	0	0
500	1	13	4	2	10	0	5	0	0
600	2	0	0	3	0	0	6	0	0
700	2	6	8	3	10	0	7	0	0
800	2	13	4	4	0	0	8	0	0
900	3	0	0	4	10	0	9	0	0
1000	3	6	8	5	0	0	10	0	0
2000	6	13	4	10	0	0	20	0	0
3000	10	0	0	15	0	0	30	0	0
4000	13	6	8	20	0	0	40	0	0
5000	16	13	4	25	0	0	50	0	0
6000	20	0	0	30	0	0	60	0	0
7000	23	6	8	35	0	0	70	0	0
8000	26	13	4	40	0	0	80	0	0
9000	30	0	0	45	0	0	90	0	0
10000	33	6	8	50	0	0	100	0	0
100000	333	6	8	500	0	0	1000	0	0
1000000	3333	6	8	5000	0	0	10000	0	0

Note—Take half of 2 for 1 per cent., and the double of 2 for 4 per cent.

2½ PER CENT. FROM 2 TO 6 CALENDAR MONTHS.

Principal	2 Months.			3 Months.			6 Months.		
£	£	s.	d.	£	s.	d.	£	s.	d.
1	0	0	1	0	0	1½	0	0	3
2	0	0	2	0	0	3	0	0	6
3	0	0	3	0	0	4½	0	0	9
4	0	0	4	0	0	6	0	1	0
5	0	0	5	0	0	7½	0	1	3
6	0	0	6	0	0	9	0	1	6
7	0	0	7	0	0	10½	0	1	9
8	0	0	8	0	1	0	0	2	0
9	0	0	9	0	1	1½	0	2	3
10	0	0	10	0	1	3	0	2	6
20	0	1	8	0	2	6	0	5	0
30	0	2	6	0	3	9	0	7	6
40	0	3	4	0	5	0	0	10	0
50	0	4	2	0	6	3	0	12	6
60	0	5	0	0	7	6	0	15	0
70	0	5	10	0	8	9	0	17	6
80	0	6	8	0	10	0	1	0	0
90	0	7	6	0	11	3	1	2	6
100	0	8	4	0	12	6	1	5	0
200	0	16	8	1	5	0	2	10	0
300	1	5	0	1	17	6	3	15	0
400	1	13	4	2	10	0	5	0	0
500	2	1	8	3	2	6	6	5	0
600	2	10	0	3	15	0	7	10	0
700	2	18	4	4	7	6	8	15	0
800	3	6	8	5	0	0	10	0	0
900	3	15	0	5	12	6	11	5	0
1000	4	3	4	6	5	0	12	10	0
2000	8	6	8	12	10	0	25	0	0
3000	12	10	0	18	15	0	37	10	0
4000	16	13	4	25	0	0	50	0	0
5000	20	16	8	31	5	0	62	10	0
6000	25	0	0	37	10	0	75	0	0
7000	29	3	4	43	15	0	87	10	0
8000	33	6	8	50	0	0	100	0	0
9000	37	10	0	56	5	0	112	10	0
10000	41	13	4	62	10	0	125	0	0
100000	416	13	4	625	0	0	1250	0	0
1000000	4166	13	4	6250	0	0	12500	0	0

5 PER CENT. FROM 2 TO 6 CALENDAR MONTHS.

Principal	2 Months.			3 Months.			6 Months.		
£	£	s.	d.	£	s.	d.	£	s.	d.
1	0	0	1	0	0	1½	0	0	3½
2	0	0	2½	0	0	3¾	0	0	7½
3	0	0	3½	0	0	5½	0	0	10½
4	0	0	4½	0	0	6¾	0	1	1½
5	0	0	6	0	0	9	0	1	6
6	0	0	7	0	0	10½	0	1	9
7	0	0	8	0	1	0	0	2	0
8	0	0	9½	0	1	2½	0	2	4½
9	0	0	10½	0	1	3¾	0	2	7½
10	0	1	0	0	1	6	0	3	0
20	0	2	0	0	3	0	0	6	0
30	0	3	0	0	4	6	0	9	0
40	0	4	0	0	6	0	0	12	0
50	0	5	0	0	7	6	0	15	0
60	0	6	0	0	9	0	0	18	0
70	0	7	0	0	10	6	1	1	0
80	0	8	0	0	12	0	1	4	0
90	0	9	0	0	13	6	1	7	0
100	0	10	0	0	15	0	1	10	0
200	1	0	0	1	10	0	3	0	0
300	1	10	0	2	5	0	4	10	0
400	2	0	0	3	0	0	6	0	0
500	2	10	0	3	15	0	7	10	0
600	3	0	0	4	10	0	9	0	9
700	3	10	0	5	5	0	10	10	0
800	4	0	0	6	0	0	12	0	0
900	4	10	0	6	15	0	13	10	0
1000	5	0	0	7	10	0	15	0	0
2000	10	0	0	15	0	0	30	0	0
3000	15	0	0	22	10	0	45	0	0
4000	20	0	0	30	0	0	60	0	0
5000	25	0	0	37	10	0	75	0	0
6000	30	0	0	45	0	0	90	0	0
7000	35	0	0	52	10	0	105	0	0
8000	40	0	0	60	0	0	120	0	0
9000	45	0	0	67	10	0	135	0	0
10000	50	0	0	75	0	0	150	0	0
100000	500	0	0	750	0	0	1500	0	0
1000000	5000	0	0	7500	0	0	15000	0	0

Note—Double this for 6 per cent.

3½ PER CENT. FROM 2 TO 6 CALENDAR MONTHS.

Principal	2 Months.			3 Months.			6 Months.		
£	£	s.	d.	£	s.	d.	£	s.	d.
1	0	0	1	0	0	1½	0	0	3
2	0	0	2½	0	0	3½	0	0	7½
3	0	0	4	0	0	6	0	1	0
4	0	0	5	0	0	7½	0	1	3
5	0	0	6½	0	0	9½	0	1	7½
6	0	0	8	0	1	0	0	2	0
7	0	0	9	0	1	1½	0	2	3
8	0	0	10½	0	1	3½	0	2	7½
9	0	1	0	0	1	6	0	3	0
10	0	1	1	0	1	7½	0	3	3
20	0	2	2½	0	3	3½	0	6	7½
30	0	2	3	0	3	4½	0	6	9
40	0	4	5	0	6	7½	0	13	3
50	0	5	6½	0	8	3½	0	16	7½
60	0	6	6	0	9	9	0	19	6
70	0	7	7	0	11	4½	1	2	9
80	0	8	10	0	13	3	1	6	6
90	0	9	9	0	14	7½	1	9	3
100	0	11	1	0	16	8	1	13	4
200	1	2	2	1	13	4	3	6	8
300	1	13	4	2	10	0	5	0	0
400	2	4	4	3	6	8	6	13	4
500	2	15	6½	4	3	4	8	6	8
600	3	6	8	5	0	0	10	0	0
700	3	17	8	5	16	8	11	13	4
800	4	8	8	6	13	4	13	6	8
900	5	0	0	7	10	0	15	0	0
1000	5	11	1	8	6	8	16	13	4
2000	11	2	2	16	13	4	33	6	8
3000	16	13	4	25	0	0	50	0	0
4000	22	4	4	33	6	8	66	13	4
5000	27	15	6	41	13	4	83	6	8
6000	33	6	6	50	0	0	100	0	0
7000	38	17	8	58	6	8	116	13	4
8000	44	8	8	66	13	4	133	6	8
9000	50	0	0	75	0	0	150	0	0
10000	55	11	0	83	6	8	166	13	4
100000	555	11	0	833	6	8	1666	13	4
1000000	5555	11	0	8333	6	8	16666	13	4

o c e—Double this gives 6¾ per cent.

3½ PER CENT. FROM 2 TO 6 CALENDAR MONTHS.

Principal	2 months.			3 months.			6 months.		
£	£	s.	d.	£	s.	d.	£	s.	d.
1	0	0	1¼	0	0	2	0	0	4
2	0	0	2½	0	0	4	0	0	8¼
3	0	0	4¼	0	0	6¼	0	1	0¼
4	0	0	5½	0	0	8¼	0	1	4½
5	0	0	7	0	0	10¼	0	1	9
6	0	0	8¼	0	1	0½	0	2	1¼
7	0	0	9½	0	1	2½	0	2	5¼
8	0	0	11	0	1	4½	0	2	9¼
9	0	1	0¼	0	1	6½	0	3	1½
10	0	1	2	0	1	9	0	3	6
20	0	2	4	0	3	6	0	7	0
30	0	3	6	0	5	3	0	10	6
40	0	4	8	0	7	0	0	14	0
50	0	5	10	0	8	9	0	17	6
60	0	7	0	0	10	6	1	1	0
70	0	8	2	0	12	3	1	4	6
80	0	9	4	0	14	0	1	8	0
90	0	10	6	0	15	9	1	11	6
100	0	11	8	0	17	6	1	15	0
200	1	3	4	1	15	0	3	10	0
300	1	15	0	2	12	6	5	5	0
400	2	6	8	3	10	0	7	0	0
500	2	18	4	4	7	6	8	15	0
600	3	10	0	5	5	0	10	10	0
700	4	1	8	6	2	6	12	5	0
800	4	13	4	7	0	0	14	0	0
900	5	5	0	7	17	6	15	15	0
1000	5	16	8	8	15	0	17	10	0
2000	11	13	4	17	10	0	35	0	0
3000	17	10	0	26	5	0	52	10	0
4000	23	6	8	35	0	0	70	0	0
5000	29	3	4	43	15	0	87	10	0
6000	35	0	0	52	10	0	105	0	0
7000	40	16	8	61	5	0	122	10	0
8000	46	13	4	70	0	0	140	0	0
9000	52	10	0	78	15	0	157	10	0
10000	58	6	8	87	10	0	175	0	0
100000	583	6	8	875	0	0	1750	0	0
1000000	5833	6	8	8750	0	0	17500	0	0

Note—Double this for 7 per cent.

5 PER CENT. FROM 2 TO 6 CALENDAR MONTHS.

Principal	2 months.			3 months.			6 months.		
£	£	s.	d.	£	s.	d.	£	s.	d.
1	0	0	2	0	0	3	0	0	6
2	0	0	4	0	0	6	0	1	0
3	0	0	6	0	0	9	0	1	6
4	0	0	8	0	1	0	0	2	0
5	0	0	10	0	1	3	0	2	6
6	0	1	0	0	1	6	0	3	0
7	0	1	2	0	1	9	0	3	6
8	0	1	4	0	2	0	0	4	0
9	0	1	6	0	2	3	0	4	6
10	0	1	8	0	2	6	0	5	0
20	0	3	4	0	5	0	0	10	0
30	0	5	0	0	7	6	0	15	0
40	0	6	8	0	10	0	1	0	0
50	0	8	4	0	12	6	1	5	0
60	0	10	0	0	15	0	1	10	0
70	0	11	8	0	17	6	1	15	0
80	0	13	4	1	0	0	2	0	0
90	0	15	0	1	2	6	2	5	0
100	0	16	8	1	5	0	2	10	0
200	1	13	4	2	10	0	5	0	0
300	2	10	0	3	15	0	7	10	0
400	3	6	8	5	0	0	10	0	0
500	4	3	4	6	5	0	12	10	0
600	5	0	0	7	10	0	15	0	0
700	5	16	9	8	15	0	17	10	0
800	6	13	4	10	0	0	20	0	0
900	7	10	0	11	5	0	22	10	0
1000	8	6	8	12	10	0	25	0	0
2000	16	13	4	25	0	0	50	0	0
3000	25	0	0	37	10	0	75	0	0
4000	33	6	8	50	0	0	100	0	0
5000	41	13	4	62	10	0	125	0	0
6000	50	0	0	75	0	0	150	0	0
7000	58	6	8	87	10	0	175	0	0
8000	66	13	4	100	0	0	200	0	0
9000	75	0	0	112	10	0	225	0	0
10000	83	6	8	125	0	0	250	0	0
100000	833	6	8	1250	0	0	2500	0	0
1000000	8333	6	8	12500	0	0	25000	0	0

Note—Add 2½ to 5 for 7½ per cent., and double 5 for 10 per cent.

COMMISSION OR DISCOUNT,

FROM $\frac{1}{8}$ TO $\frac{7}{8}$ PER CENT.; ALSO,

INTEREST PER ANNUM FOR THE VARIOUS SUMS GIVEN.

SECTION I.—TABLE 10.

Principal.	$\frac{1}{8}$ per cent.	$\frac{1}{4}$ per cent.	$\frac{3}{8}$ per cent.	$\frac{1}{2}$ per cent.
£ s.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
0 10	$\frac{1}{8}$ a farthing	0 0 $0\frac{1}{2}$	$\frac{1}{2}$d. nearly.	$\frac{1}{2}$d. and $\frac{1}{8}$ $\frac{1}{4}$d.
0 15	$\frac{3}{4}$ of farthing	$\frac{1}{2}$d. and $\frac{3}{8}$ $\frac{1}{4}$d.	$\frac{1}{2}$d. and $\frac{3}{8}$ $\frac{1}{4}$d.	1d. nearly.
1	0 0 $0\frac{1}{2}$	$\frac{1}{2}$d. and $\frac{1}{8}$ $\frac{1}{4}$d.	$\frac{3}{4}$d. and $\frac{1}{8}$ $\frac{1}{4}$d.	0 0 $1\frac{1}{2}$
2	0 0 $0\frac{1}{2}$	0 0 $1\frac{1}{4}$	0 0 $1\frac{3}{4}$	0 0 $2\frac{1}{2}$
3	0 0 1	0 0 $1\frac{3}{4}$	0 0 $2\frac{3}{4}$	0 0 $3\frac{1}{2}$
4	0 0 $1\frac{1}{2}$	0 0 $2\frac{1}{2}$	0 0 $3\frac{1}{2}$	0 0 $4\frac{3}{4}$
5	0 0 $1\frac{1}{8}$	0 0 3	0 0 $4\frac{1}{2}$	0 0 6
6	0 0 $1\frac{3}{4}$	0 0 $3\frac{1}{2}$	0 0 $5\frac{1}{4}$	0 0 $7\frac{1}{2}$
7	0 0 2	0 0 $4\frac{1}{4}$	0 0 $6\frac{1}{4}$	0 0 $8\frac{1}{2}$
8	0 0 $2\frac{1}{8}$	0 0 $4\frac{3}{4}$	0 0 $7\frac{1}{4}$	0 0 $9\frac{1}{2}$
9	0 0 $2\frac{3}{4}$	0 0 $5\frac{1}{4}$	0 0 8	0 0 $10\frac{3}{4}$
10	0 0 3	0 0 6	0 0 9	0 1 0
20	0 0 6	0 1 0	0 1 6	0 2 0
50	0 1 3	0 2 6	0 3 9	0 5 0
100	0 2 6	0 5 0	0 7 6	0 10 0
200	0 5 0	0 10 0	0 15 0	1 0 0
300	0 7 6	0 15 0	1 2 6	1 10 0
400	0 10 0	1 0 0	1 10 0	2 0 0
500	0 12 6	1 5 0	1 17 6	2 10 0
600	0 15 0	1 10 0	2 5 0	3 0 0
700	0 17 6	1 15 0	2 12 6	3 10 0
800	1 0 0	2 0 0	3 0 0	4 0 0
900	1 2 6	2 5 0	3 7 6	4 10 0
1000	1 5 0	2 10 0	3 15 0	5 0 0
2000	2 10 0	5 0 0	7 10 0	10 0 0
3000	3 15 0	7 10 0	11 5 0	15 0 0
4000	5 0 0	10 0 0	15 0 0	20 0 0
5000	6 5 0	12 10 0	18 15 0	25 0 0
10000	12 10 0	25 0 0	37 10 0	50 0 0
100000	125 0 0	250 0 0	375 0 0	500 0 0
1000000	1250 0 0	2500 0 0	3750 0 0	5000 0 0

COMMISSION OR DISCOUNT TABLE,

CONTINUED.

Principal	⅛ per cent	¼ cent per	⅜ per cent.
£ s	£ s d	£ s d.	£ s d
0 10	0 0 0¾	¾d. and ½ ¼d	0 0 1
0 15	1d. & ½ ¼d.	0 0 1¼	0 0 1½
1	0 0 1½	0 0 1¾	0 0 2
2	0 0 3	0 0 3½	0 0 4¼
3	0 0 4½	0 0 5¼	0 0 6¼
4	0 0 6	0 0 7¼	0 0 8½
5	0 0 7½	0 0 9	0 0 10½
6	0 0 9	0 0 10¾	0 1 0½
7	0 0 10½	0 1 0½	0 1 2¾
8	0 1 0	0 1 2½	0 1 4¾
9	0 1 1½	0 1 4¼	0 1 7
10	0 1 3	0 1 6	0 1 9
20	0 2 6	0 3 0	0 3 6
50	0 6 3	0 7 6	0 8 9
100	0 12 6	0 15 0	0 17 6
200	1 5 0	1 10 0	1 15 0
300	1 17 6	2 5 0	2 12 6
400	2 10 0	3 0 0	3 10 0
500	3 2 6	3 15 0	4 7 6
600	3 15 0	4 10 0	5 5 0
700	4 7 6	5 5 0	6 2 6
800	5 0 0	6 0 0	7 0 0
900	5 12 6	6 15 0	7 17 6
1000	6 5 0	7 10 0	8 15 0
2000	12 10 0	15 0 0	17 10 0
3000	18 15 0	22 10 0	26 5 0
4000	25 0 0	30 0 0	35 0 0
5000	31 5 0	37 10 0	43 15 0
10000	62 10 0	75 0 0	87 10 0
100000	625 0 0	750 0 0	875 0 0
1000000	6250 0 0	7500 0 0	8750 0 0

COMMISSION, DISCOUNT, OR INTEREST, FOR VARIOUS SUMS GIVEN, FROM 1 TO 35 PER CENT.

Principal.	1 per cent.	1½ per cent.	2 per cent.	2½ per cent.	3 per cent.	3½ per cent.	3¾ per cent.
£ s.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
0 1	about ½ a ½d.	about ⅔ of ½d.	½d. nearly.	½d. & ½ of ½d.	½d. & ½ ½d.	½d. & ⅔ of ½d.	½d. & ⅔ of ½d.
0 2	0 0 0½	0 0 0¼	0 0 0½	0 0 0½	0 0 0¾	0 0 0¾	0 0 0¾
0 3	0 0 0½	0 0 0½	0 0 0½	0 0 0¾	0 0 1	0 0 1½	0 0 1½
0 4	0 0 0½	0 0 0½	0 0 0¾	0 0 1	0 0 1½	0 0 1¾	0 0 1¾
0 5	0 0 0½	0 0 0¾	0 0 1	0 0 1¼	0 0 1½	0 0 2	0 0 2
0 6	0 0 0¾	0 0 0¾	0 0 1¼	0 0 1½	0 0 2	0 0 2¼	0 0 2¼
0 7	0 0 0¾	0 0 1	0 0 1½	0 0 2	0 0 2¼	0 0 2½	0 0 2½
0 8	0 0 1	0 0 1¼	0 0 1¾	0 0 2¼	0 0 2½	0 0 3	0 0 3¼
0 9	0 0 1	0 0 1½	0 0 2	0 0 2¼	0 0 3	0 0 3¼	0 0 3¾
0 10	0 0 1½	0 0 1½	0 0 2	0 0 3	0 0 3½	0 0 4	0 0 4¼
0 11	0 0 1½	0 0 1¾	0 0 2¼	0 0 3¼	0 0 3¾	0 0 4¼	0 0 4½
0 12	0 0 1½	0 0 1¾	0 0 2½	0 0 3¼	0 0 4	0 0 4½	0 0 4¾
0 13	0 0 1½	0 0 2	0 0 2¾	0 0 3¾	0 0 4¼	0 0 5	0 0 5¼
0 14	0 0 1¾	0 0 2	0 0 3	0 0 4	0 0 4¾	0 0 5¼	0 0 5¾
0 15	0 0 1¾	0 0 2¼	0 0 3¼	0 0 4¼	0 0 5¼	0 0 6	0 0 6¼
0 16	0 0 2	0 0 2¼	0 0 3¼	0 0 4¾	0 0 5¼	0 0 6¼	0 0 6¼
0 17	0 0 2	0 0 2¾	0 0 3¾	0 0 5	0 0 5¾	0 0 6¼	0 0 7
0 18	0 0 2¼	0 0 3	0 0 4	0 0 5¼	0 0 6¼	0 0 7	0 0 7¼
0 19	0 0 2¼	0 0 3¼	0 0 4¼	0 0 5¼	0 0 6¾	0 0 7¼	0 0 8
1 0	0 0 2½	3¼d. & ⅔ of ½d	4¾d. & ½ of ½d.	0 0 6	0 0 7½	0 0 8	8¼d. & ⅔ ½d.
2 0	0 0 4¾	0 0 7½	0 0 9½	0 1 0	0 1 2½	0 1 4	0 1 4¾

| | | |

Principal.	4 per cent.	4½ per cent.	5 per cent.	6 per cent.	7 per cent.	8 per cent.	9 per cent.
£ s	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
0 1	⅛d. nearly.	½d. and ⅛ ¼d.	½d. & ½ of ¼d.	¾d. nearly.	0 0 0¾	1d. nearly.	1d. & ¼ ¼d.
0 2	0 0 1	0 0 1	0 0 1¼	0 0 1½	0 0 1¾	0 0 2	0 0 2¼
0 3	0 0 1½	0 0 1¾	0 0 2¼	0 0 2¼	0 0 2¾	0 0 3	0 0 3¼
0 4	0 0 2	0 0 2¼	0 0 2½	0 0 3	0 0 3½	0 0 4	0 0 4½
0 5	0 0 2½	0 0 2½	0 0 3	0 0 3½	0 0 4	0 0 4¾	0 0 5¼
0 6	0 0 2¾	0 0 3	0 0 3½	0 0 4¼	0 0 4¾	0 0 5½	0 0 6¼
0 7	0 0 3½	0 0 3½	0 0 4	0 0 5	0 0 5½	0 0 6½	0 0 7¼
0 8	0 0 3¾	0 0 4	0 0 4½	0 0 5¾	0 0 6¼	0 0 7¼	0 0 8¼
0 9	0 0 4¼	0 0 4½	0 0 5¼	0 0 6¾	0 0 7¼	0 0 8¼	0 0 9¼
0 10	0 0 4¾	0 0 5¼	0 0 6	0 0 7½	0 0 8¼	0 0 9½	0 0 10¼
0 11	0 0 5	0 0 5½	0 0 6½	0 0 8¼	0 0 9	0 0 10	0 0 11¼
0 12	0 0 5½	0 0 6	0 0 7	0 0 8¼	0 0 9¾	0 0 11	0 1 0½
0 13	0 0 6	0 0 6½	0 0 7¾	0 0 9¼	0 0 10¾	0 1 0	0 1 1½
0 14	0 0 6½	0 0 7	0 0 8¼	0 0 10	0 0 11¼	0 1 1	0 1 2¼
0 15	0 0 7	0 0 7¾	0 0 9	0 0 10½	0 1 0	0 1 2¼	0 1 3¼
0 16	0 0 7½	0 0 8½	0 0 9½	0 0 11¼	0 1 0¾	0 1 3	0 1 4¾
0 17	0 0 8	0 0 9	0 0 10	0 1 0	0 1 1½	0 1 4	0 1 6
0 18	0 0 8½	0 0 9½	0 0 10¾	0 1 0¾	0 1 2¾	0 1 5	0 1 7¼
0 19	0 0 9	0 0 10	0 0 11¼	0 1 1¼	0 1 3¾	0 1 6	0 1 8¼
1 0	9⅓d. & ⅜ ¼d.	10¾d. & ⅛ ¼d.	0 1 0	14½d. nearly.	16¾d. & ½ ¼d.	19d. & ⅛ ¼d.	21½d. & ⅜ ¼d.
2 0	0 1 7¼	0 1 9½	0 2 0	0 2 4¾	0 2 9½	0 3 2¼	0 3 7

3	0	0	2	4¾	0	2	8¼	0	3	0	0	3	7½	0	4	2½	0	4	9½	0	5	4½
4	0	0	3	2½	0	3	7½	0	4	0	0	4	9½	0	5	7	0	6	4½	0	7	2
5	0	0	4	0	0	4	6	0	5	0	0	6	0	0	7	0	0	8	0	0	9	0
6	0	0	4	9½	0	5	4¾	0	6	0	0	7	2½	0	8	5	0	9	7	0	10	9½
7	0	0	5	7½	0	6	3½	0	7	0	0	8	4½	0	9	9½	0	11	2½	0	12	7
8	0	0	6	4¾	0	7	2½	0	8	0	0	9	7	0	11	2½	0	12	9½	0	14	4¾
9	0	0	7	2½	0	8	1¼	0	9	0	0	10	9½	0	12	7	0	14	4¾	0	16	2½
10	0	0	8	0	0	9	9	0	10	0	0	12	0	0	14	0	0	16	0	0	18	0
20	0	0	16	0	0	18	0	1	0	0	1	4	0	1	8	0	1	12	0	1	16	0
50	0	2	0	0	2	5	0	2	10	0	3	0	0	3	10	0	4	0	0	4	10	0
100	0	4	0	0	4	10	0	5	0	0	6	0	0	7	0	0	8	0	0	9	0	0
200	0	8	0	0	9	0	0	10	0	0	12	0	0	11	0	0	16	0	0	18	0	0
300	0	12	0	0	13	10	0	15	0	0	18	0	0	21	0	0	24	0	0	27	0	0
400	0	16	0	0	18	0	0	20	0	0	24	0	0	28	0	0	32	0	0	36	0	0
500	0	20	0	0	22	10	0	25	0	0	30	0	0	35	0	0	40	0	0	45	0	0
600	0	24	0	0	27	0	0	30	0	0	36	0	0	42	0	0	48	0	0	54	0	0
700	0	28	0	0	31	10	0	35	0	0	42	0	0	49	0	0	56	0	0	63	0	0
800	0	32	0	0	36	0	0	40	0	0	48	0	0	56	0	0	64	0	0	72	0	0
900	0	36	0	0	40	10	0	45	0	0	54	0	0	63	0	0	72	0	0	81	0	0
1000	0	40	0	0	45	0	0	50	0	0	60	0	0	70	0	0	80	0	0	90	0	0
2000	0	80	0	0	99	0	0	100	0	0	120	0	0	140	0	0	160	0	0	180	0	0
3000	0	120	0	0	135	0	0	150	0	0	180	0	0	210	0	0	240	0	0	270	0	0
4000	0	160	0	0	180	0	0	200	0	0	240	0	0	280	0	0	320	0	0	360	0	0
5000	0	200	0	0	225	0	0	250	0	0	300	0	0	350	0	0	400	0	0	450	0	0
10000	0	400	0	0	450	0	0	500	0	0	600	0	0	700	0	0	800	0	0	900	0	0
100000	0	4000	0	0	4500	0	0	5000	0	0	6000	0	0	7000	0	0	8000	0	0	9000	0	0
1000000	0	40000	0	0	45000	0	0	50000	0	0	60000	0	0	70000	0	0	80000	0	0	90000	0	0

COMMISSION, DISCOUNT, OR INTEREST, FROM 10 TO 16 PER CENT.

Principal.	10 per cent.	11 per cent.	12 per cent.	13 per cent.	14 per cent.	15 per cent.	16 per cent.
£	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
0 1	1¼d. nearly.	1¼d. & ¼ of ½d.	1¼d. & ⅜ of ¼d.	1½d. & ¼ of ¼d.	1½d. & ⅜ of ¼d.	1¾d. & ½ of ¼d.	1¾d. & ⅜ of ½d.
0 2	0 0 2½	0 0 2⅝	0 0 2¾	0 0 3	0 0 3¼	0 0 3½	0 0 3¾
0 3	0 0 3¾	0 0 4	0 0 4⅛	0 0 4½	0 0 4¾	0 0 5⅛	0 0 5⅝
0 4	0 0 5	0 0 5⅛	0 0 5½	0 0 6	0 0 6½	0 0 7	0 0 7½
0 5	0 0 6	0 0 6⅛	0 0 7	0 0 7½	0 0 8	0 0 9	0 0 9⅜
0 6	0 0 7¼	0 0 7½	0 0 8⅛	0 0 9¼	0 0 9¾	0 0 10¾	0 0 11¼
0 7	0 0 8¾	0 0 9¼	0 0 9¾	0 0 10¾	0 0 11¼	0 1 0½	0 1 1¼
0 8	0 0 9¾	0 0 10¼	0 0 11	0 1 0⅛	0 1 1	0 1 2¼	0 1 3¼
0 9	0 0 10¾	0 0 11¾	0 1 0½	0 1 2	0 1 2¾	0 1 4	0 1 5
0 10	0 1 0	0 1 1	0 1 2	0 1 3½	0 1 4½	0 1 6	0 1 7
0 11	0 1 1¼	0 1 2¼	0 1 3½	0 1 5	0 1 6	0 1 7¾	0 1 9
0 12	0 1 2½	0 1 3½	0 1 5	0 1 6½	0 1 7¾	0 1 9½	0 1 10¾
0 13	0 1 3¾	0 1 4¾	0 1 6½	0 1 8¼	0 1 9	0 1 11¼	0 2 0¾
0 14	0 1 4¾	0 1 6	0 1 7¾	0 1 9¾	0 1 10¾	0 2 1	0 2 2¾
0 15	0 1 6	0 1 7¼	0 1 9	0 1 11¼	0 2 0½	0 2 3	0 2 4¾
0 16	0 1 7½	0 1 8½	0 1 10½	0 2 1	0 2 2	0 2 4¾	0 2 6¼
0 17	0 1 8½	0 1 10	0 2 0	0 2 2½	0 2 3¾	0 2 6¼	0 2 8¼
0 18	0 1 9½	0 1 11¾	0 2 1½	0 2 4	0 2 5½	0 2 8¼	0 2 10
0 19	0 1 10¾	0 2 0¾	0 2 3	0 2 5½	0 2 7½	0 2 10	0 3 0
1 0	0 2 0	0 2 2¼	0 2 4½	0 2 7	0 2 9½	0 3 0	0 3 2¼
		& ⅜ of ¼d.	& ½ of ¼d.	& ½ of ¼d.	& ⅝ of ¼d.		& ⅜ of ¼d.
2 0	0 4 0	0 4 4½	0 4 9⅛	0 5 2¼	0 5 7	0 6 0	0 6 4½

3	0	0	6	0	0	6	7	0	7	2¼	0	7	9½	0	8	4¾	0	9	0	0	9	7
4	0	0	8	0	0	8	9½	0	9	7	0	10	4¾	0	11	2¼	0	12	0	0	12	9½
5	0	0	10	0	0	11	0	0	12	0	0	13	0	0	14	0	0	15	0	0	16	0
6	0	0	12	0	0	13	2¼	0	14	5	0	15	7	0	16	9½	0	18	0	0	19	2¼
7	0	0	14	0	0	15	4¾	0	16	9½	0	18	2¼	0	19	7	1	1	0	1	2	4¾
8	0	0	16	0	0	17	7	0	19	2	1	0	9½	1	2	4½	1	4	0	1	5	7
9	0	0	18	0	0	19	9½	1	1	7	1	3	4¾	1	5	2	1	7	0	1	8	9½
10	0	1	0	0	1	2	0	1	4	0	1	6	0	1	8	0	1	10	0	1	12	0
20	0	2	0	0	2	4	0	2	8	0	2	12	0	2	16	0	3	0	0	3	4	0
50	0	5	0	0	5	10	0	6	0	0	6	10	0	7	0	0	7	10	0	8	0	0
100	0	10	0	0	11	0	0	12	0	0	13	0	0	14	0	0	15	0	0	16	0	0
200	0	20	0	0	22	0	0	24	0	0	26	0	0	28	0	0	30	0	0	32	0	0
300	0	30	0	0	33	0	0	36	0	0	39	0	0	42	0	0	45	0	0	48	0	0
400	0	40	0	0	44	0	0	48	0	0	52	0	0	56	0	0	60	0	0	64	0	0
500	0	50	0	0	55	0	0	60	0	0	65	0	0	70	0	0	75	0	0	30	0	0
600	0	60	0	0	66	0	0	72	0	0	78	0	0	84	0	0	90	0	0	96	0	0
700	0	70	0	0	77	0	0	84	0	0	91	0	0	98	0	0	105	0	0	112	0	0
800	0	80	0	0	88	0	0	96	0	0	104	0	0	112	0	0	120	0	0	128	0	0
900	0	90	0	0	99	0	0	108	0	0	117	0	0	126	0	0	135	0	0	144	0	0
1000	0	100	0	0	110	0	0	120	0	0	130	0	0	140	0	0	150	0	0	160	0	0
2000	0	200	0	0	220	0	0	240	0	0	260	0	0	280	0	0	300	0	0	320	0	0
3000	0	300	0	0	330	0	0	360	0	0	390	0	0	420	0	0	450	0	0	480	0	0
4000	0	400	0	0	440	0	0	480	0	0	520	0	0	560	0	0	600	0	0	640	0	0
5000	0	500	0	0	550	0	0	600	0	0	650	0	0	700	0	0	750	0	0	800	0	0
10000	0	1000	0	0	1100	0	0	1200	0	0	1300	0	0	1400	0	0	1500	0	0	1600	0	0
100000	0	10000	0	0	11000	0	0	12000	0	0	13000	0	0	14000	0	0	15000	0	0	16000	0	0
1000000	0	100000	0	0	110000	0	0	120000	0	0	130000	0	0	140000	0	0	150000	0	0	160000	0	0

COMMISSION, DISCOUNT, OR INTEREST, FROM 17 TO 23 PER CENT.

Principal.	17 per cent.	18 per cent.	19 per cent.	20 per cent.	21 per cent.	22 per cent.	23 per cent,
£ s.	£ s. d.	£ s. d.	£ s. d,	£ s. d.	£ s. d.	£ s. d.	£ s. d.
0 1	0 0 2	2d. & $\frac{3}{4}$ of $\frac{1}{4}$d.	0 0 $2\frac{1}{4}$	$2\frac{1}{4}$d. & $\frac{3}{4}$ $\frac{1}{4}$d.	0 0 $2\frac{1}{4}$	$2\frac{1}{4}$d. & $\frac{1}{2}$ $\frac{1}{4}$d.	0 0 $2\frac{3}{4}$
0 2	0 0 4	0 0 $4\frac{1}{2}$	0 0 $4\frac{1}{2}$	0 0 $4\frac{3}{4}$	0 0 5	0 0 $5\frac{1}{4}$	0 0 $5\frac{1}{2}$
0 3	0 0 6	0 0 $6\frac{3}{4}$	0 0 $6\frac{3}{4}$	0 0 $7\frac{1}{4}$	0 0 $7\frac{3}{4}$	0 0 $7\frac{3}{4}$	0 0 $8\frac{1}{4}$
0 4	0 0 8	0 0 $8\frac{1}{2}$	0 0 9	0 0 10	0 0 10	0 0 $10\frac{1}{2}$	0 0 11
0 5	0 0 10	0 0 $10\frac{3}{4}$	0 0 $11\frac{1}{4}$	0 1 0	0 1 $0\frac{1}{4}$	0 1 1	0 1 $1\frac{3}{4}$
0 6	0 1 0	0 1 1	0 1 $1\frac{3}{4}$	0 1 2	0 1 3	0 1 $3\frac{3}{4}$	0 1 $4\frac{1}{2}$
0 7	0 1 2	0 1 $3\frac{1}{4}$	0 1 4	0 1 $4\frac{1}{4}$	0 1 $5\frac{1}{2}$	0 1 $6\frac{1}{2}$	0 1 $7\frac{1}{4}$
0 8	0 1 4	0 1 $5\frac{1}{2}$	0 1 $6\frac{1}{4}$	0 1 $6\frac{3}{4}$	0 1 8	0 1 9	0 1 10
0 9	0 1 6	0 1 $7\frac{1}{2}$	0 1 $8\frac{1}{4}$	0 1 $9\frac{1}{4}$	0 1 $10\frac{1}{2}$	0 1 $11\frac{1}{2}$	0 2 $0\frac{1}{2}$
0 10	0 1 8	0 1 $9\frac{1}{2}$	0 1 $10\frac{3}{4}$	0 2 0	0 2 1	0 2 $2\frac{1}{4}$	0 2 $3\frac{1}{2}$
0 11	0 1 10	0 1 $11\frac{3}{4}$	0 2 1	0 2 $2\frac{1}{4}$	0 2 $3\frac{1}{2}$	0 2 $4\frac{3}{4}$	0 2 $6\frac{1}{4}$
0 12	0 2 0	0 2 $1\frac{1}{2}$	0 2 $3\frac{1}{4}$	0 2 $4\frac{3}{4}$	0 2 6	0 2 $7\frac{1}{2}$	0 2 9
0 13	0 2 2	0 2 $3\frac{1}{2}$	0 2 $5\frac{1}{4}$	0 2 7	0 2 $8\frac{1}{2}$	0 2 10	0 2 $11\frac{1}{2}$
0 14	0 2 4	0 2 $5\frac{3}{4}$	0 2 $7\frac{1}{2}$	0 2 $9\frac{1}{2}$	0 2 $11\frac{1}{2}$	0 3 $0\frac{1}{2}$	0 3 $2\frac{1}{4}$
0 15	0 2 $6\frac{1}{2}$	0 2 8	0 2 $9\frac{3}{4}$	0 3 0	0 3 $1\frac{3}{4}$	0 3 $3\frac{1}{4}$	0 3 5
0 16	0 2 $8\frac{1}{2}$	0 2 $10\frac{1}{2}$	0 3 0	0 3 $2\frac{1}{4}$	0 3 $4\frac{1}{2}$	0 3 $5\frac{3}{4}$	0 3 $7\frac{3}{4}$
0 17	0 2 $10\frac{1}{2}$	0 3 $0\frac{1}{2}$	0 3 $2\frac{1}{4}$	0 3 $4\frac{3}{4}$	0 3 $6\frac{3}{4}$	0 3 $8\frac{1}{2}$	0 3 $10\frac{1}{2}$
0 18	0 3 $0\frac{3}{4}$	0 3 $2\frac{1}{2}$	0 3 $4\frac{1}{2}$	0 3 7	0 3 $9\frac{1}{4}$	0 3 $11\frac{1}{2}$	0 4 $1\frac{1}{2}$
0 19	0 3 $2\frac{3}{4}$	0 3 $4\frac{3}{4}$	0 3 $6\frac{3}{4}$	0 3 $9\frac{1}{2}$	0 3 $11\frac{3}{4}$	0 4 2	0 4 4
1 0	0 3 $4\frac{3}{4}$	0 3 7	0 3 $9\frac{1}{2}$	0 4 0	0 4 $2\frac{1}{4}$	0 4 $4\frac{3}{4}$	0 4 7
	& $\frac{1}{2}$ of $\frac{1}{4}$d.	& $\frac{1}{2}$ of $\frac{1}{4}$d.	& $\frac{1}{2}$ of $\frac{1}{4}$d.		& $\frac{1}{2}$ of $\frac{1}{4}$d.	& $\frac{1}{2}$ of $\frac{1}{4}$d.	& $\frac{1}{2}$ of $\frac{1}{4}$d.
2 0	0 6 $9\frac{1}{2}$	0 7 $2\frac{1}{2}$	0 7 7	0 8 0	0 8 $4\frac{1}{2}$	0 8 $9\frac{1}{2}$	0 9 2

3	0	0	10	2½	0	10	9½	0	11	4½	0	12	0	0	12	7	0	13	2	0	13	9
4	0	0	13	7	0	14	4½	0	15	2	0	16	0	0	16	9	0	17	7	0	18	4
5	0	0	17	0	0	18	0	0	19	0	1	0	0	1	1	0	1	2	0	1	3	0
6	0	1	0	4½	1	1	7	1	2	9	1	4	0	1	5	2½	1	6	4½	1	7	6
7	0	1	3	9½	1	5	2½	1	6	7	1	8	0	1	9	5	1	10	9½	1	12	2
8	0	1	7	2	1	8	9½	1	10	4	1	12	0	1	13	6	1	15	2	1	16	8
9	0	1	10	6¾	1	12	4½	1	14	2	1	16	0	1	17	9	1	19	7	2	1	4
10	0	1	14	0	1	16	0	1	18	0	2	0	0	2	2	0	2	4	0	2	6	0
20	0	3	8	0	3	12	0	3	16	0	4	0	0	4	4	0	4	8	0	4	12	0
50	0	8	10	0	9	0	0	9	10	0	10	0	0	10	10	0	11	0	0	11	10	0
100	0	17	0	0	18	0	0	19	0	0	20	0	0	21	0	0	22	0	0	23	0	0
200	0	34	0	0	36	0	0	38	0	0	40	0	0	42	0	0	44	0	0	46	0	0
300	0	51	0	0	54	0	0	57	0	0	60	0	0	63	0	0	66	0	0	69	0	0
400	0	68	0	0	72	0	0	76	0	0	80	0	0	84	0	0	88	0	0	92	0	0
500	0	85	0	0	90	0	0	95	0	0	100	0	0	105	0	0	110	0	0	115	0	0
600	0	102	0	0	108	0	0	114	0	0	120	0	0	126	0	0	132	0	0	138	0	0
700	0	119	0	0	126	0	0	133	0	0	140	0	0	147	0	0	154	0	0	161	0	0
800	0	136	0	0	144	0	0	152	0	0	160	0	0	168	0	0	176	0	0	184	0	0
900	0	153	0	0	162	0	0	171	0	0	180	0	0	189	0	0	198	0	0	207	0	0
1000	0	170	0	0	180	0	0	190	0	0	200	0	0	210	0	0	220	0	0	230	0	0
2000	0	340	0	0	360	0	0	380	0	0	400	0	0	420	0	0	440	0	0	460	0	0
3000	0	510	0	0	540	0	0	570	0	0	600	0	0	630	0	0	660	0	0	690	0	0
4000	0	680	0	0	720	0	0	760	0	0	800	0	0	840	0	0	880	0	0	920	0	0
5000	0	850	0	0	900	0	0	950	0	0	1000	0	0	1050	0	0	1100	0	0	1150	0	0
10000	0	1700	0	0	1800	0	0	1900	0	0	2000	0	0	2100	0	0	2200	0	0	2300	0	0
100000	0	17000	0	0	18000	0	0	19000	0	0	20000	0	0	21000	0	0	22000	0	0	23000	0	0
1000000	0	170000	0	0	180000	0	0	190000	0	0	200000	0	0	210000	0	0	220000	0	0	230000	0	0

COMMISSION, DISCOUNT, OR INTEREST, FROM 24 TO 29 PER CENT.

Principal	24 per cent.	25 per cent.	26 per cent.	27 per cent.	28 per cent.	29 per cent.
£	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
0 1	2¾d. & ½ of ¼d.	0 0 3	3d. & ½ of ¼d.	3¼d nearly.	3¼d. & ½ of ¼d.	3½d. nearly.
0 2	0 0 5¾	0 0 6	0 0 6½	0 0 6½	0 0 6¾	0 0 7
0 3	0 0 8½	0 0 9	0 0 9¼	0 0 9¾	0 0 10	0 0 10½
0 4	0 0 11½	0 1 0	0 1 0¾	0 1 0¾	0 1 1½	0 1 2
0 5	0 1 2¼	0 1 3	0 1 3½	0 1 4	0 1 4½	0 1 5½
0 6	0 1 5	0 1 6	0 1 6½	0 1 7¼	0 1 8	0 1 8¾
0 7	0 1 8	0 1 9	0 1 9¾	0 1 10½	0 1 11½	0 2 0
0 8	0 1 10¾	0 2 0	0 2 1	0 2 1½	0 2 2¾	0 2 3½
0 9	0 2 1½	0 2 3	0 2 4	0 2 4¾	0 2 6	0 2 7
0 10	0 2 4½	0 2 6	0 2 7	0 2 8	0 2 9½	0 2 10½
0 11	0 2 7¼	0 2 9	0 2 10¼	0 2 11¼	0 3 1	0 3 2
0 12	0 2 10¼	0 3 0	0 3 1½	0 3 2½	0 3 4¼	0 3 5½
0 13	0 3 1¼	0 3 3	0 3 4½	0 3 5¾	0 3 7½	0 3 8¾
0 14	0 3 4	0 3 6	0 3 7½	0 3 9	0 3 10¾	0 4 0¼
0 15	0 3 7	0 3 9	0 3 10½	0 4 0	0 4 1½	0 4 3¾
0 16	0 3 9¾	0 4 0	0 4 1½	0 4 3¼	0 4 4¾	0 4 7
0 17	0 4 0¾	0 4 3	0 4 4¾	0 4 6½	0 4 8½	0 4 10½
0 18	0 4 3½	0 4 6	0 4 8	0 4 9¾	0 5 0	0 5 2
0 19	0 4 6¼	0 4 9	0 4 11	0 5 1¼	0 5 3½	0 5 5¾
1 0	0 4 9½	0 5 0	0 5 2¼	0 5 4¾	0 5 7	0 5 9½
	& ⅜ of ¼d.		& ⅜ of ¼d.	& ½ of ¼d.	& ½ of ¼d.	& ⅜ of ¼d.
2 0	0 9 7	0 10 0	0 10 4½	0 10 9½	0 11 2¼	0 11 7

3	0	0	14	4	0	15	0	0	15	7	0	16	2	0	16	9	0	17	4
4	0	0	19	2	1	0	0	1	0	9	1	1	7	1	2	4½	1	3	2
5	0	1	4	0	1	5	0	1	6	0	1	7	0	1	8	0	1	9	0
6	0	1	8	9	1	10	0	1	11	2½	1	12	4½	1	13	7	1	14	9
7	0	1	13	7	1	15	0	1	16	5	1	17	11	1	19	3	2	0	7
8	0	1	18	4	2	0	0	2	1	6	2	3	2	2	4	9	2	6	4
9	0	2	3	2	2	5	0	2	6	9	2	8	7	2	10	5	2	12	2
10	0	2	8	0	2	10	0	2	12	0	2	14	0	2	16	0	2	18	0
20	0	4	16	0	5	0	0	5	4	0	5	8	0	5	12	0	5	16	0
50	0	12	0	0	12	10	0	13	0	0	13	10	0	14	0	0	14	10	0
100	0	24	0	0	25	0	0	26	0	0	27	0	0	28	0	0	29	0	0
200	0	48	0	0	50	0	0	52	0	0	54	0	0	56	0	0	58	0	0
300	0	72	0	0	75	0	0	78	0	0	81	0	0	84	0	0	87	0	0
400	0	96	0	0	100	0	0	104	0	0	108	0	0	112	0	0	116	0	0
500	0	120	0	0	125	0	0	130	0	0	135	0	0	140	0	0	145	0	0
600	0	144	0	0	150	0	0	156	0	0	162	0	0	168	0	0	174	0	0
700	0	168	0	0	175	0	0	182	0	0	189	0	0	196	0	0	203	0	0
800	0	192	0	0	200	0	0	208	0	0	216	0	0	224	0	0	232	0	0
900	0	216	0	0	225	0	0	234	0	0	243	0	0	252	0	0	261	0	0
1000	0	240	0	0	250	0	0	260	0	0	270	0	0	280	0	0	290	0	0
2000	0	480	0	0	500	0	0	520	0	0	540	0	0	560	0	0	580	0	0
3000	0	720	0	0	750	0	0	780	0	0	810	0	0	840	0	0	870	0	0
4000	0	960	0	0	1000	0	0	1040	0	0	1080	0	0	1120	0	0	1160	0	0
5000	0	1200	0	0	1250	0	0	1300	0	0	1350	0	0	1400	0	0	1450	0	0
10000	0	2400	0	0	2500	0	0	2600	0	0	2700	0	0	2800	0	0	2900	0	0
100000	0	24000	0	0	25000	0	0	26000	0	0	27000	0	0	28000	0	0	29000	0	0
1000000	0	240000	0	0	250000	0	0	260000	0	0	270000	0	0	280000	0	0	290000	0	0

Principal.	30 per cent.	31 per cent.	32 per cent.	33 per cent.	34 per cent.	35 per cent.
£ s.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
0 1	3½d. & ½ of ¼d.	3½d. & ½ of ¼d.	3¾d. & ⅓ of ¼d.	3¾d. & ⅓ of ¼d.	4d. & ⅓ of ¼d.	4d. & ⅓ of ¼d.
0 2	0 0 7¼	0 0 7¼	0 0 7½	0 0 7¾	0 0 8⅓	0 0 8½
0 3	0 0 10½	0 0 11	0 0 11¼	0 0 11¾	0 1 0⅔	0 1 0¾
0 4	0 1 2¾	0 1 3	0 1 3¼	0 1 3¾	0 1 4⅓	0 1 4¾
0 5	0 1 6	0 1 6½	0 1 7	0 1 7¾	0 1 8⅔	0 1 9
0 6	0 1 9½	0 1 10	0 1 10¾	0 1 11⅔	0 2 0⅔	0 2 1½
0 7	0 2 1	0 2 1¾	0 2 2½	0 2 3½	0 2 4⅔	0 2 5¼
0 8	0 2 4½	0 2 5	0 2 6¾	0 2 7⅓	0 2 8⅔	0 2 9¼
0 9	0 2 8¼	0 2 8½	0 2 10¼	0 2 11⅓	0 3 0⅔	0 3 1¼
0 10	0 3 0	0 3 1	0 3 2¼	0 3 3½	0 3 4⅔	0 3 6
0 11	0 3 3¼	0 3 4¾	0 3 6	0 3 7⅔	0 3 9	0 3 10¼
0 12	0 3 7¼	0 3 8½	0 3 10	0 3 11⅔	0 4 1	0 4 2½
0 13	0 3 11	0 4 0	0 4 2	0 4 3¼	0 4 5	0 4 6¾
0 14	0 4 2½	0 4 3¾	0 4 5¾	0 4 7¼	0 4 9	0 4 11
0 15	0 4 6	0 4 7½	0 4 9½	0 4 11¼	0 5 1	0 5 3¼
0 16	0 4 9½	0 4 11	0 5 1¼	0 5 3	0 5 5	0 5 7½
0 17	0 5 1	0 5 2¾	0 5 5	0 5 7	0 5 9	0 5 11¼
0 18	0 5 4½	0 5 6½	0 5 9	0 5 11	0 6 1½	0 6 3¾
0 19	0 5 8¼	0 5 10¼	0 6 1	0 6 3	0 6 5½	0 6 7¾
1 0	0 6 0	0 6 2¼	0 6 4¾	0 6 7	0 6 9½	0 7 0
		& ½ of ¼d.	& ½ of ¼d.	& ½ of ¼d.	& ½ of ¼d.	
2 0	0 12 0	0 12 4½	0 12 9½	0 13 2	0 13 7	0 14. 0

3	0	0	18	0	0	18	7	0	19	$2\frac{1}{4}$	0	19	$9\frac{1}{2}$	1	0	$4\frac{3}{4}$	1	1	0
4	0	1	4	0	1	4	9	1	5	7	1	6	4	1	7	2	1	8	0
5	0	1	10	0	1	11	0	1	12	0	1	13	0	1	14	0	1	15	0
6	0	1	16	0	1	17	2	1	18	$4\frac{1}{2}$	1	19	7	2	0	$9\frac{1}{4}$	2	2	0
7	0	2	2	0	2	3	$4\frac{3}{4}$	2	4	$9\frac{1}{2}$	2	6	1	2	7	7	2	9	0
8	0	2	8	0	2	9	6	2	11	2	2	12	8	2	14	4	2	16	0
9	0	2	14	0	2	15	$9\frac{1}{2}$	2	17	7	2	19	3	3	1	2	3	3	0
10	0	3	0	0	3	2	0	3	4	0	3	6	0	3	8	0	3	10	0
20	0	6	0	0	6	4	0	6	8	0	6	12	0	6	16	0	7	0	0
50	0	15	0	0	15	10	0	16	0	0	16	10	0	17	0	0	17	10	0
100	0	30	0	0	31	0	0	32	0	0	33	0	0	34	0	0	35	0	0
200	0	60	0	0	62	0	0	64	0	0	66	0	0	68	0	0	70	0	0
300	0	90	0	0	93	0	0	96	0	0	99	0	0	102	0	0	105	0	0
400	0	120	0	0	124	0	0	128	0	0	132	0	0	136	0	0	140	0	0
500	0	150	0	0	155	0	0	160	0	0	165	0	0	170	0	0	175	0	0
600	0	180	0	0	186	0	0	192	0	0	198	0	0	204	0	0	210	0	0
700	0	210	0	0	217	0	0	224	0	0	231	0	0	238	0	0	245	0	0
800	0	240	0	0	248	0	0	256	0	0	264	0	0	272	0	0	280	0	0
900	0	270	0	0	279	0	0	288	0	0	297	0	0	306	0	0	315	0	0
1000	0	300	0	0	310	0	0	320	0	0	330	0	0	340	0	0	350	0	0
2000	0	600	0	0	620	0	0	640	0	0	660	0	0	680	0	0	700	0	0
3000	0	900	0	0	930	0	0	960	0	0	990	0	0	1020	0	0	1050	0	0
4000	0	1200	0	0	1240	0	0	1280	0	0	1320	0	0	1360	0	0	1400	0	0
5000	0	1500	0	0	1550	0	0	1600	0	0	1650	0	0	1700	0	0	1750	0	0
10000	0	3000	0	0	3100	0	0	3200	0	0	3300	0	0	3400	0	0	3500	0	0
100000	0	30000	0	0	31000	0	0	32000	0	0	33000	0	0	34000	0	0	35000	0	0
1000000	0	300000	0	0	310000	0	0	320000	0	0	330000	0	0	340000	0	0	350000	0	0

TABLE OF THE SIMPLE INTEREST OF £1, FOR ANY NUMBER OF DAYS,

AT DIFFERENT RATES OF INTEREST.

SECTION I.—TABLE 11.

No. of Days.	3 per cent.	3½ per cent.	4 per cent.	4½ per cent.	5 per cent.	6 per cent.
	£	£	£	£	£	£
1	·00008	·00009	·00010	·00012	·00013	·00016
2	·00016	·00019	·00021	·00024	·00027	·00032
3	·00024	·00028	·00032	·00036	·00041	·00048
4	·00032	·00038	·00043	·00049	·00054	·00064
5	·00041	·00047	·00054	·00061	·00068	·00082
6	·00049	·00057	·00065	·00073	·00082	·00098
7	·00057	·00067	·00076	·00086	·00095	·00114
8	·00065	·00076	·00087	·00098	·00109	·00130
9	·00073	·00086	·00098	·00110	·00123	·00146
10	·00082	·00095	·00109	·00123	·00136	·00164
20	·00164	·00191	·00219	·00246	·00273	·00328
30	·00246	·00287	·00328	·00369	·00410	·00492
40	·00328	·00383	·00438	·00493	·00547	·00656
50	·00410	·00479	·00547	·00616	·00684	·00820
60	·00493	·00575	·00657	·00739	·00821	·00986
70	·00575	·00671	·00767	·00863	·00958	·01150
80	·00657	·00767	·00876	·00986	·01005	·01314
90	·00739	·00863	·00986	·01189	·01232	·01478
100	·00821	·00958	·01095	·01232	·01369	·01642
200	·01643	·01917	·02191	·02465	·02739	·03286
300	·02465	·02876	·03287	·03690	·04109	·04930

Note—The above decimal table will furnish, by the addition of two or three of its numbers, the interest for any number of days; and the following table will, in like manner, furnish it for any number of years.

Observe—The value of monies invested at simple interest, and drawing the interest annually, shews that any sum invested at 3 per cent. will double itself, by interest received, in 33⅓ years.

The same sum, at 3½ per cent., will do so in 28⅝ years.
do. at 4 per cent., „ in 25 years.
do. at 4½ per cent., „ in 22¼ years.
do. at 5 per cent., „ in 20 years.
do. at 6 per cent., „ in 16⅔ years.

TABLE OF THE SIMPLE INTEREST OF £1,

FOR ANY NUMBER OF YEARS NOT EXCEEDING 25, AND AT DIFFERENT RATES OF INTEREST.

SECTION I.—TABLE 12.

No. Yrs.	3 p. cent.	3½ p. cent.	4 p. cent.	4½ p. cent.	5 p. cent.	6 p. cent.	Value in dec.	Value in cash.		
	£	£	£	£	£	£	£	£	s.	d.
1	·030	·035	·040	·045	·050	·060	·001	0	0	0¼
2	·060	·070	·080	·090	·100	·120	·002	0	0	0½
3	·090	·105	·120	.135	·150	·180	·003	0	0	0¾
4	·120	·140	·160	·180	·200	·240	·004	0	0	1
5	·150	·175	·200	·225	·250	·300	·005	0	0	1¼
6	·180	·210	·240	·270	·300	·360	·006	0	0	1½
7	·210	·245	·280	·315	·350	·420	·007	0	0	1¾
8	·240	·280	·320	·360	·400	·480	·008	0	0	2
9	·270	·315	·360	·405	·450	·540	·009	0	0	2¼
10	·300	·350	·400	·450	·500	·600	·01	0	0	2½
11	·330	·385	·440	·495	·550	·660	·02	0	0	4¾
12	·360	·420	·480	·540	·600	·720	·03	0	0	7¼
13	·390	·455	·520	·585	·650	·780	·04	0	0	9½
14	·420	·490	·560	·630	·700	·840	·05	0	1	0
15	·450	·525	·600	·675	·750	·900	·06	0	1	2¼
16	·480	·560	·640	·720	·800	·960	·07	0	1	4¾
17	·510	·595	·680	·765	·850	1·020	·08	0	1	7¼
18	·540	·630	·720	·810	·900	1·080	·09	0	1	9½
19	·570	·665	·760	·855	·950	1·140	·1	0	2	0
20	·600	·700	·800	·900	1·000	1·200	·2	0	4	0
21	·630	·735	·840	·945	1·050	1·260	·3	0	6	0
22	·660	·770	·880	·990	1·100	1·320	·4	0	8	0
23	·690	·805	·920	1·035	1·150	1·380	·5	0	10	0
24	·720	·840	·960	1·080	1.200	1·440	·6	0	12	0
25	·750	·875	1·000	1·125	1·250	1·500	·7	0	14	0
							·8	0	16	0
							·9	0	18	0
							1·0	1	0	0

General Rule.—To find the interest of any sum of money for a given time by the preceding tables, add together the interests for the several periods corresponding with the proposed rate per cent.; and that sum, multiplied by the principal, will give the interest required.

Example.—Required the interest of £400 for 8 years 246 days, at 4½ per cent.

Tabular interest for	8 years	·36000
„	200 days	·02465
„	40 days	·00493
„	6 days	·00073
		39031
		400 principal.
		£156 | 12400
		20
		2 | 48000
		12
		5 | 76000
		4
		3 | 04000

Therefore, £156 2s. 5¾d. is the interest required.

Note—The reader will perceive, by the preceding formula, that decimal interest can be brought out with great facility.

COMPOUND INTEREST TABLES.

Compound Interest is that which arises from any sum or principal in a given time, by increasing the principal at each payment by the amount of that payment, and thereby obtaining interest upon both interest and principal. Hence it follows, that, except for the sake of brevity, compound interest would require no other rule than what is given for simple interest; it being only necessary to add the interest to the given principal, and find the interest upon the amount, and so on throughout the whole number of payments. But as this system would be attended with immense labour if time is at all a consideration, calculations have been made, and set in tabular form, of the amount of interest due upon £1 for given terms. Consequently, we may limit our investigation to the simple case of finding the compound interest and amount of £1, for any given number of years, at any given rate per cent.

Rule.—Find the amount in the table for the given number of years and rate of interest, and multiply this amount by the principal for the amount required.

Example.—What will £100 amount to in 15 years at 5 per cent., the payments being due yearly?

Here, the interest of £100 is £5, the interest of £1 is ·05, and the amount of £1 in one payment is 1·05. Hence, per table, the amount due upon £1 for 15 years at 5 per cent. is 2·07893. Then, multiply this number by the principal, and you have the total amount of both principal and interest.

Operation :— 2.07893
100

£207 | ·89300
20 for shillings.

17 | ·86000
12 for pence.

10 | ·32000
4 for farthings.

1 | ·28000

£207 17s. 10¼d., amount required.

TABLE SHEWING THE AMOUNT OF £1, IN A GIVEN NUMBER OF YEARS, NOT EXCEEDING 50, AT ANY RATE OF COMPOUND INTEREST FROM 3 TO 10 PER CENT.

SECTION I.—TABLE 13.

No. Yrs.	3 per cent	3½ per cent	4 per cent	4½ per cent	5 per cent	6 per cent	10 per cent
	£	£	£	£	£	£	£
1	1·0300	1·0350	1·0400	1·0450	1·0500	1·0600	1·1000
2	1·0609	1·0712	1·0816	1·0920	1·1025	1·1236	1·2100
3	1·0927	1·1087	1·1248	1·1411	1·1576	1·1910	1·3310
4	1·1255	1·1475	1·1698	1·1925	1·2155	1·2624	1·4641
5	1·1592	1·1876	1·2166	1·2461	1·2762	1·3382	1·6105
6	1·1940	1·2292	1·2653	1·3022	1·3400	1·4185	1·7715
7	1·2298	1·2722	1·3159	1·3608	1·4071	1·5036	1·9486
8	1·2667	1·3168	1·3685	1·4221	1·4774	1·5938	2·1434
9	1·3047	1·3628	1·4233	1·4860	1·5513	1·6894	2·3577
10	1·3439	1·4105	1·4802	1·5529	1·6288	1·7908	2·5934
11	1·3842	1·4599	1·5394	1·6228	1·7103	1·8982	2·8527
12	1·4257	1·5110	1·6010	1·6958	1·7958	2·0121	3·1379
13	1·4685	1·5639	1·6650	1·7721	1·8856	2·1329	3·4516
14	1·5125	1·6186	1·7316	1·8519	1·9799	2·2609	3·7967
15	1·5579	1·6753	1·8009	1·9352	2·0789	2·3965	4·1763

TABLE 13.—COMPOUND INTEREST CONTINUED.

No. Yrs.	3 per cent	3½ per cent	4 per cent	4½ per cent	5 per cent	6 per cent	10 per cent.
	£	£	£	£	£	£	£
16	1·6047	1·7339	1·8729	2·0223	2·1828	2·5403	4·5939
17	1·6528	1·7946	1·9479	2·1133	2·2920	2·6927	5·0532
18	1·7021	1·8574	2·0258	2·2804	2·4066	2·8543	5·5585
19	1·7535	1·9225	2·1068	2·3078	2·5269	3·0255	6·1143
20	1·8061	1·9897	2·1911	2·4117	2·6532	3·2071	6·7257
21	1·8602	2·0594	2·2787	2·5202	2·7859	3·3995	7·3982
22	1·9161	2·1315	2·3699	2·6336	2·9252	3·6035	8·1380
23	1·9735	2·2061	2·4647	2·7521	3·0715	3·8197	8·9518
24	2·0327	2·2833	2·5633	2·8760	3·2251	4·0489	9·8469
25	2·0937	2·3632	2·6658	3·0054	3·3863	4·2918	10·8315
26	2·1565	2·4459	2·7724	3·1406	3·5556	4·5493	11·9147
27	2·2212	2·5315	2·8833	3·2819	3·7334	4·8223	13·1061
28	2·2879	2·6201	2·9987	3·4295	3·9201	5·1116	14·4167
29	2·3565	2·7118	3·1186	3·5838	4·1161	5·4183	15·8583
30	2·4272	2·8067	3·2433	3·7450	4·3219	5·7434	17·4441
31	2·5000	2·9049	3·3731	3·9135	4·5380	6·0881	19·1885
32	2·5750	3·0065	3·5080	4·0896	4·7642	6·4533	21·1073
33	2·6523	3·1117	3·6483	4·2736	5·0031	6·8405	23·2180
34	2·7319	3·2206	3·7943	4·4659	5·2533	7·2510	25·5398
35	2·8138	3·3333	3·9460	4·6668	5·5160	7·6860	28·0936
36	2·8982	3·4499	4·1039	4·8768	5·7918	8·1472	30·9030
37	2·9852	3·5706	4·2680	5·0962	6·0814	8·6360	33·9933
38	3·0747	3·6955	4·4388	5·3255	6·3854	9·1542	37·3926
39	3·1670	3·8248	4·6163	5·5651	6·7047	9·7035	41·1318
40	3·2620	3·9586	4·8010	5·8155	7·0399	10·2857	45·2449
41	3·3598	4·0971	4·9930	6·0771	7·3919	10·9028	49·7693
42	3·4606	4·2404	5·1927	6·3505	7·7615	11·5570	54·7462
43	3·5645	4·3886	5·4004	6·6362	8·1496	12·2504	60·2208
44	3·6714	4·5422	5·6165	6·9348	8·5571	12·9854	66·2428
45	3·7815	4·7011	5·8411	7·2568	8·9850	13·7646	72·8670
46	3·8950	4·8656	6·0748	7·5833	9·4342	14·5904	80·1537
47	4·0118	5·0358	6·3178	7·9245	9·9059	15·4659	88·1690
48	4·1322	5·2121	6·5705	8·2811	10·4012	16·3938	96·9859
49	4·2562	5·3945	6·8333	8·6537	10·9213	17·3775	106·6844
50	4·3839	5·5833	7·1066	9·0431	11·4674	18·4201	117·3528

The above table is calculated for the interest to be added annually.

Observe—The ratio of sums invested at the various rates of compound interest are subject to the following formula:—Any sum invested at 3 per cent. will double itself in 24 years; at 3½ per cent., in 21 years; at 4 per cent., in 18 years; at 4½ per cent., in 16 years; at 5 per cent., in 15 years; at 6 per cent., in 12 years; and at 10 per cent., in 8 years.

COMPOUND INTEREST ANNUITIES.

TABLE SHEWING THE PRESENT VALUE OF £1 PER ANNUM FOR ANY NUMBER OF YEARS NOT EXCEEDING 50, AND FROM 3 TO 6 PER CENT.

SECTION I.—TABLE 14.

Yrs	3 per cent	3½ per cent	4 per cent	4½ per cent	5 per cent	6 per cent
	£	£	£	£	£	£
1	·9708	·9661	·9615	·9569	·9523	·9433
2	1·9134	1·8997	1·8860	1·8726	1·8594	1·8333
3	2·8286	2·8016	2·7750	2·7489	2·7232	2·6730
4	3·7170	3·6731	3·6298	3·5874	3·5459	3·4651
5	4·5797	4·5151	4·4518	4·3899	4·3294	4·2123
6	5·4171	5·3287	5·2421	5·1578	5·0756	4·9173
7	6·2302	6·1149	6·0020	5·8927	5·7863	5·5823
8	7·0196	6·9103	6·7327	6·5958	6·4632	6·2097
9	7·7861	7·6441	7·4353	7·2687	7·1078	6·8016
10	8·5302	8·3531	8·1108	7·8997	7·7217	7·3601
11	9·2526	9·0381	8·7604	8·5149	8·3064	7·8868
12	9·9540	9·6999	9·3850	9·1045	8·8632	8·3838
13	10·6349	10·3393	9 9856	9·6688	9·3935	8·8526
14	11·2960	10·0571	10.5631	10·2087	9·8986	9·2949
15	11·9379	11·5540	11·1183	10·7253	10·3796	9·7122
16	12·5611	12·1308	11·6523	11·2197	10·8377	10·1059
17	13·1661	12·6880	12·1656	11·6928	11·2740	10·4772
18	13·7535	13·2264	12'6593	12·1465	11·6895	10·8276
19	14·3238	13 7466	13·1339	12·5798	12·0853	11·1581
20	14·8774	14·2496	13'5903	12·9944	12·4622	11·4699
21	15·4150	14·7351	14·0291	13·3911	12·8211	11·7640
22	15·9369	15·2043	14·4511	14·7708	13·1630	12·0415
23	16·4436	15·6576	14·8568	15·1341	13·4885	12·3033
24	16·9355	16·0955	15·2469	15·4818	13·7986	12·5503
25	17·4131	16 5187	15·6220	15·8138	14·0939	12·7833
26	17·8768	16·9275	15 9827	16·1417	14·3751	13·0031
27	18·3270	17·3225	16·3295	16·4464	14·6430	13·2105
28	18·7641	17·7042	16·6630	16·7379	14·8981	13·4061
29	19·1884	18·0729	16·9837	17·0169	15·1410	13·5907
30	19·6004	18·4292	17·2920	17·2839	15·3724	13·7648
31	20·0004	18·7734	17·5884	17·5394	15·5928	13·9290
32	20·3887	19·1061	17·8735	17·7839	15·8026	14·0302
33	20·7657	19·4274	18·1476	18·0178	16·0025	14·2302

Yrs.	3 per cent	3½ per cent	4 per cent	4½ per cent	5 per cent	6 per cent
	£	£	£	£	£	£
34	21·1318	19·7379	18·4112	18·2417	16·1929	14·3681
35	21·4872	20·0379	18·6646	18·4559	16·3741	14·4982
36	21·8322	20·3278	18·9082	18·6609	16·5468	14·6209
37	22·1672	20·6078	19·1425	18·8571	16·7112	14·7367
38	22·4924	20·8784	19·3678	19·0448	16·8678	14·8460
39	22·8082	21·1397	19·5844	19·2065	17·0170	14·9490
40	23·1147	21·3949	19·7927	19·3784	17·1590	15·0463
41	23·4124	21·6389	19·9930	19·5429	17·2943	15·1380
42	23·7013	21·8747	20·1856	19·7003	17·4232	15·2245
43	23·9819	22·1049	20·3707	19·8509	17·5459	15·3061
44	24·2542	22·3250	20·5488	19·9949	17·6627	15·3831
45	24·5187	22·5378	20·7200	20·1327	17·7740	15·4558
46	24·7758	22·7433	20·8846	20·2645	17·8800	15·5243
47	25·0247	22·9418	21·0429	20·3905	17·9810	15·5890
48	25·2667	23·1337	21·1951	20·5112	18·0771	15·6500
49	25·5016	23·3191	21·3414	20·6267	18·1687	15·7075
50	25·7297	23·4982	21·4821	20·7372	18·2559	15·7618

Example:—Suppose A and B own a joint property which brings them in £120 per year rental. A agrees to sell his life's purchase to B, at present worth, for 20 years, abating interest at 3½ per cent. Required the amount due to A. Here £60 is the half of £120. Hence, the present worth of £1 per annum for 20 years, at 3½ per cent., as per table, is 14·2496, or £14 4s. 11½d. Multiply this sum by £60, and you have £854 19s. 6d., the purchase money due to A, and which will enable him to go into business.

COMPOUND INTEREST ANNUITIES.

TABLE SHEWING THE PRESENT VALUE OF £1, DUE AT THE END OF ANY NUMBER OF YEARS NOT EXCEEDING 50, FROM 3 TO 6 PER CENT.

SECTION I.—TABLE 15.

Yrs.	3 per cent	3½ per cent	4 per cent	4½ per cent	5 per cent	6 per cent
	£	£	£	£	£	£
1	·97087	·96618	·96153	·95694	·95238	·94339
2	·94259	·93354	·92455	·91575	·90702	·88999
3	·91514	·90196	·88899	·87634	·86383	·83961
4	·88848	·87146	·85480	·83858	·82270	·79009
5	·86260	·84203	·82192	·80250	·78352	·74725
6	·83748	·81353	·79031	·76793	·74621	·70496

Yrs.	3 per cent	3½ per cent	4 per cent	4½ per cent	5 per cent	6 per cent
	£	£	£	£	£	£
7	·81309	·78626	·75991	·73493	·71068	·66505
8	·78940	·75942	·73069	·70318	·67683	·62741
9	·76641	·73378	·70258	·67294	·64460	·59189
10	·74409	·70896	·67556	·63108	·61391	·55839
11	·72242	·68498	·64958	·61623	·58467	·52678
12	·70138	·66182	·62459	·58969	·55683	·49696
13	·68095	·63943	·60057	·56430	·53032	·46883
14	·66111	·61782	·57747	·53998	·50506	·44230
15	·64186	·59691	·55526	·51669	·48101	·41726
16	·62316	·57674	·53390	·49448	·45811	·39364
17	·60501	·55723	·51337	·47319	·43629	·37136
18	·58739	·53839	·49362	·45372	·41552	·35034
19	·57028	·52016	·47464	·43331	·39573	·33051
20	·55367	·50309	·45638	·41464	·37688	·31180
21	·53754	·48549	·43883	·39679	·35894	·29415
22	·52189	·46916	·42195	·37971	·34185	·27750
23	·50669	·45329	·40572	·36336	·32557	·26179
24	·49193	·43796	·39012	·34771	·31006	·24697
25	·47760	·42312	·37511	·33206	·29530	·23299
26	·46369	·40885	·36068	·32796	·28124	·21981
27	·45018	·39499	·34681	·30470	·26784	·20736
28	·43707	·38166	·33347	·29158	·25509	·19563
29	·42434	·36875	·32065	·27903	·24294	·18455
30	·41198	·35628	·30831	·26705	·23137	·17411
31	·39998	·34425	·29646	·25552	·22035	·16425
32	·38833	·33261	·28505	·24452	·20986	·15495
33	·37702	·32136	·27409	·23399	·19987	·14618
34	·36604	·31050	·26355	·22392	·19035	·13791
35	·35538	·30000	·25341	·21428	·18129	·13010
36	·34503	·28986	·24366	·20505	·17265	·12274
37	·33498	·28006	·23429	·19622	·16443	·11579
38	·32522	·27059	·22528	·18777	·15660	·10923
39	·31575	·26129	·21662	·17195	·14914	·10305
40	·30655	·25514	·20828	·16173	·14204	·09722
41	·29762	·24407	·20027	·16455	·13528	·09171
42	·28895	·23582	·19257	·15747	·12884	·08652
43	·28054	·23014	·18516	·15068	·12270	·08163
44	·27237	·22015	·17804	·14405	·11686	·07709
45	·26443	·21272	·17119	·13780	·11129	·07265
46	·25673	·20552	·16461	·13187	·10599	·06853
47	·24925	·19857	·15828	·12606	·10094	·06465
48	·24199	·19186	·15219	·12078	·09614	·06099
49	·23495	·18537	·14634	·11555	·09156	·05754
50	·22810	·17911	·14071	·11058	·08720	·05428

Example.—Required the present value of £250, payable at the end of 10 years, abating interest at 4½ per cent per annum.

Here, on referring to table, contiguous to 10 years at 4½ per cent. you find ·63108, being the present value of £1 for 10 years; and ·63108 multiply £250, you have for answer £157 15s. 4½d., the amount sought.

Any other sum can be brought out by a similar operation.

COMPOUND INTEREST ANNUITIES.

TABLE SHEWING THE AMOUNT OF £1 PER ANNUM, AT THE END OF ANY NUMBER OF YEARS NOT EXCEEDING 50, AND FROM 3 TO 6 PER CENT.

SECTION I.—TABLE 16.

Yrs.	3 per cent	3½ per cent	4 per cent	4½ per cent	5 per cent	6 per cent
	£	£	£	£	£	£
1	1·0000	1·0000	1·0000	1·0000	1·0000	1·0000
2	2·0300	2·0350	2·0400	2·0450	2·0500	2·0600
3	3·0909	3·1062	3·1216	3·1370	3·1525	3·1836
4	4·1836	4·2149	4·2464	4·2781	4·3101	4·3746
5	5·3091	5·3624	5·4163	5·4706	5·5256	5·6370
6	6·4684	6·5500	6·6329	6·7167	6·8019	6·9753
7	7·6624	7·7792	7·8982	8·0189	8·1420	8·3938
8	8·8923	9·0514	9·2142	9·3797	9·5491	9·8974
9	10·1600	10·3682	10·5828	10·8018	11·0265	11·4913
10	11·4638	11·7310	12·0061	12·2878	12·5778	13·1807
11	12·8078	13·1415	13·4863	13·8407	14·2067	14·9716
12	14·1920	14·6014	15·0258	15·4635	15·9171	16·8699
13	15·6177	16·1124	16·6268	17·1503	17·7129	18·8821
14	17·0863	17·6763	18·2919	18·9314	19·5986	21·0150
15	18·5989	19·2949	20·0235	20·7833	21·5785	23·2759
16	20·1568	20·9702	21·8245	22·7185	23·6574	25·6725
17	21·7615	22·7041	23·6975	24·7408	25·8403	28·2128
18	23·4144	24·4987	25·6454	26·8541	28·1323	30·9056
19	25·1168	26·3561	27·6712	29·0625	30·5390	33·7599
20	26·8703	28·2786	29·7780	31·3703	33·0659	36·7855
21	28·6764	30·2683	31·9692	33·7820	35·7192	39·9927
22	30·5367	32·3277	34·2479	36·3022	38·5052	43·3922
23	32·4528	34·4592	36·6178	38·9358	41·4304	46·9958
24	34·4264	36·6653	39·0826	41·6879	44·5020	50·8155
25	36·4592	38·9486	41·6459	44·5639	47·7271	54·8645

Yrs.	3 per cent	3½ per cent	4 per cent	4½ per cent	5 per cent	6 per cent
	£	£	£	£	£	£
26	38·5530	41·3118	44·3117	47·5693	51·1134	59·1563
27	40·7096	43·7577	47·0842	50·7099	54·6691	63·7057
28	42·9309	46·2892	49·9675	53·9918	58·4025	68·5281
29	45·2188	48·9093	52·9662	57·4213	62·3227	73·6398
30	47·5754	51·6211	56·0849	61·0051	66·4388	79·0781
31	50·0026	54·4278	59·3283	64·7501	70·7607	84·8016
32	52·5027	57·3327	62·7014	68·6636	75·2988	90·8897
33	55·0778	60·3392	66·2095	72·7532	80·0637	97·3131
34	57·7301	63·4509	69·8579	76·7268	85·0669	104·1838
35	60·4620	66·6715	73·6522	81·1927	90·3203	111·4348
36	63·2759	70·0048	77·5983	85·8595	95·8363	119 1209
37	66·1742	73·4547	81·7022	90·7363	101·6281	127·2684
38	69·1594	77·0253	85·9703	95·8325	107·7095	135·9042
39	72·2342	80·7208	90·4091	101·1580	114·0950	145·0585
40	75·4012	84·5456	95·0255	106·7231	120 7998	154·7620
41	78·6633	88·5042	99·8265	112·5386	127·8398	165·0477
42	82·0232	92·6013	104·8196	118·6157	135·2318	175·9505
43	85·4838	96·8417	110·0124	124·9662	142·9933	187·5076
44	89·0484	101·2303	115·4129	131·6024	151·1430	199·7580
45	92·7198	105·7725	121·0294	138·5372	159·7002	212·7435
46	96·5014	110·4736	126·8706	145·7940	168·6852	226·5081
47	100·3965	115·3392	132·9454	153·3773	178·1194	241·0986
48	104·4084	120·3750	139·2632	161·3018	188·0254	256·5645
49	108·5406	125·5871	145·8337	169·5829	198·4267	272·9584
50	112·7969	130·9816	152·6671	178·2366	209·3480	290·3359

Note.—The above table offers a great inducement to members of assurance and building companies to endow their children up to 21 years of age. Suppose a parent invest £1 per year at 6 per cent. for 21 years, see per table £39·9927 decimal, or in sterling money £39 19s. 9½d. Thus, the reader will perceive that by the payment of a weekly instalment of 4½d. and a fraction for 20 years, the investment will have returned the principal in the shape of interest. Hence, by this scheme, £20 of found money will be the result. Assurance and building investments can be arranged by this principle to work harmoniously together.

INDUSTRIAL 6 PER CENT. BUILDING TABLE,

For any number of years not exceeding twenty, calculated upon the supposition of 500 Shares at 1s. weekly instalments—the interest being added with new principal every three calendar months. The interest of the first year's subscriptions, placed in the bank, at the lowest calculation, amounts to £20. The bona fide subscriptions for the twenty years realize £26000; coupled with interest, it amounts to £50206 5s. 6¾d. Deduct the principal, and you have gained by the investment no less a sum than £24206 5s. 6¾d. This scheme is a great principle for enterprising companies to adopt.

First Year—

£	s.	d.
1320	0	0 principal
650	0	0 new principal
1970	0	0 amount
29	11	0 int. for 2nd 3 mon.
1999	11	0 amount
325	0	0 new principal
2324	11	0 total amount
34	17	4¼ int. for 3rd 3 mon.
2339	8	4¼ amount
325	0	0 new principal
2684	8	4¼ total amount
39	13	3¾ int. for 4th 3 mon.

Second Year—

2724	1	8 amount
325	0	0 new principal
3049	1	8 total amount
45	14	8¾ int. for 1st 3 mon.
3094	16	4¾ amount
325	0	0 new principal
3419	16	4¾ total amount
51	5	11 int. for 2nd 3 mon.
3471	2	3¾ amount
325	0	0 new principal
3796	2	3¾ total amount
56	18	9¾ int. for 3rd 3 mon.
3853	1	1¼ amount
325	0	0 new principal
4178	1	1¼ total amount
62	13	4¾ int. for 4th 3 mon.

Third Year—

4240	14	6¼ amount
325	0	0 new principal
4565	14	6¼ total amount
68	9	8¼ int. for 1st 3 mon.
4634	4	2¾ amount
325	0	3 new principal
4959	4	2¾ total amount
74	7	9 int. for 2nd 3 mon.
5033	11	11¾ amount
325	0	0 new principal
5358	11	11¾ total amount
80	7	6¾ int. for 3rd 3 mon.
5438	19	6¼ amount
325	0	0 new principal
5763	19	6¼ total amount
86	9	2¼ int. for 4th 3 mon.

Fourth Year—

5860	8	8¾ amount
325	0	0 new principal
6175	8	8¾ total amount
92	12	7¼ int. for 1st 3 mon.
6268	1	4¼ amount
325	0	0 new principal
6593	1	4¼ total amount
98	17	11 int. for 2nd 3 mon.
6691	19	3¼ amount
325	0	0 new principal
7016	19	3¼ total amount
105	5	1 int. for 3rd 3 mon.
7122	4	4¼ amount
325	0	0 new principal
7447	4	4¼ total amount
111	14	2 int. for 4th 3 mon.

Fifth Year—

7558	18	6¼ amount

£	s.	d.
325	0	0 new principal
7883	18	6¼ total amount
118	5	2 int. for 1st. 3 mon.
8002	3	8¼ amount
325	0	0 new principal
8327	3	8¼ total amount
125	0	1¾ int. for 2nd 3 mon.
8452	3	10 amount
325	0	0 new principal
8777	3	10 total amount
131	13	1¾ int. for 3rd 3 mon.
8908	16	11¾ amount
325	0	0 new principal
9233	16	11¾ total amount.
138	10	1¾ int. for 4th 3 mon.

Sixth Year—

9372	7	1¼ amount
325	0	0 new principal
9697	7	1¼ total amount
145	9	2¼ int for 1st 3 mon.
9842	16	4 amount
325	0	0 new principal
10167	16	4 total amount
152	10	4 int. for 2nd 3 mon.
10320	6	8 amount
325	0	0 new principal
10645	6	8 total amount
159	13	7 int. for 3rd 3 mon.
10805	0	3 amount
325	0	0 new principal
11130	0	3 total amount
166	19	0 int. for 4th 3 mon.

Seventh Year—

11296	19	3 amount
325	0	0 new principal
11621	19	3 total amount
174	6	7 int. for 1st 3 mon.
11796	5	10 amount
325	0	0 new principal
12121	5	10 total amount
181	16	4¼ int. for 2nd 3 mon.
12303	2	2¼ amount
325	0	0 new principal
12628	2	2¼ total amount
189	8	0¼ int. for 3rd 3 mon.

£	s.	d.
12817	10	2¾ amount
325	0	0 new principal
13142	10	2¾ total amount
197	2	9 int. for 4th 3 mon.

Eighth Year—

13339	12	11¾ amount
325	0	3 new principal
13664	12	11¾ total amount
204	19	4¼ int. for 1st 3 mon.
13869	12	4¾ amount
325	0	0 new principal
14194	12	4¾ total amount
212	18	4¼ int. for 2nd 3 mon.
14407	10	8¾ amount
325	0	0 new principal
14732	10	8¾ total amount
220	19	9 int. for 3rd 3 mon.
14953	10	5¾ amount
325	0	0 new principal
15278	10	5¾ total amount
229	3	6¼ int. for 4th 3 mon.

Ninth Year—

15507	14	0¾ amount
325	0	0 new principal
15832	14	0¾ total amount
237	9	9¼ int. for 1st 3 mon.
16070	3	9¼ amount
325	0	0 new principal
16395	3	9¼ total amount
245	18	6¼ int. for 2nd 3 mon.
16641	2	3¾ amount
325	0	0 new principal
16966	2	3¾ total amount
254	9	9¾ int. for 3rd 3 mon.
17220	12	1¼ amount
320	0	0 new principal
17545	12	1¼ total amount
263	3	8 int. for 4th 3 mon.

Tenth Year—

17808	15	9¼ amount
325	0	0 new principal
18133	15	9¼ total amount
272	0	8¾ int for 1st 3 mon.
18405	16	6¼ amount

£	s.	d.
325	0	0 new principal
18730	16	6¼ total amount
280	19	2¾ int. for 2nd 3 mon.
19011	15	9 amount
325	0	0 new principal
19336	15	9 total amount
290	1	0¼ int. for 3rd 3 mon.
19626	16	9¼ amount
325	0	0 new principal
19951	16	9¼ total amount
299	5	3¼ int. for 4th 3 mon.

Eleventh Year—

20251	2	0¾ amount
325	0	0 new principal
20576	2	0¾ total amount
308	12	10½ int. for 1st 3 mon.
20884	14	10¾ amount
325	0	0 new principal
21208	14	10¾ total amount
218	2	11 int. for 2nd 3 mon.
21527	17	9¾ amount
325	0	0 new principal
21852	17	9¾ total amount
327	15	10¼ int. for 3rd 3 mon.
22180	13	8 amount
325	0	0 new principal
22505	13	8 total amount
337	11	8¼ int. for 4th 3 mon.

Twelfth Year—

22843	5	4¼ amount
325	0	0 new principal
23168	5	4¼ total amount
347	10	5¼ int. for 1st 3 mon.
23515	15	9¾ amount
325	0	0 new principal
23840	15	9¾ total amount
357	12	2¾ int. for 2nd 3 mon.
24197	18	0¼ amount.
325	0	0 new principal
24522	18	0¼ total amount
367	16	10½ int. for 3rd 3 mon.
24890	14	10¾ amount
325	0	0 new principal
25215	14	10¾ total amount
378	4	8¼ int. for 4th 3 mon.

Thirteenth Year—

£	s.	d.
25593	19	7¼ amount
325	0	0 new principal
25918	19	7¼ total amount
388	15	8¼ int. for 1st 3 mon.
26307	15	3¼ amount
325	0	0 new principal
26632	15	3¼ total amount
399	9	3¾ int. for 2nd 3 mon.
27032	4	7¼ amount
325	0	0 new principal
27357	4	7¼ total amount
410	7	2 int. for 3rd 3 mon.
27767	11	9¼ amount
325	0	0 new principal
28092	11	9¼ total amount
421	7	9¼ int. for 4th 3 mon.

Fourteenth Year—

28513	19	6¼ amount
325	0	0 new principal
28838	19	9¼ total amount
432	11	8¼ int. for 1st 3 mon.
29271	11	2¾ amount
325	0	0 new principal
29596	11	2¾ total amount
443	18	11¼ int. for 2nd 3 mon.
30040	10	2¼ amount
325	0	0 new principal
30365	10	2¼ total amount
455	9	7¾ int. for 3rd 3 mon.
30820	19	10 amount
325	0	0 new principal
31145	19	10 total amount
467	3	9¼ int. for 4th 3 mon.

Fifteenth Year—

31613	3	7¼ amount
325	0	0 new principal
31938	3	7¼ total amount
479	1	5¼ int. for 1st 3 mon.
32417	5	0¾ amount
325	0	0 new principal
32742	5	0¾ total amount
491	2	8 int. for 2nd 3 mon.
33233	7	8¾ amount
325	0	0 new principal

£	s.	d.	
33558	7	8¾	total amount
503	7	6	int. for 3rd 3 mon.
34061	15	2¾	amount
325	0	0	new principal
34386	15	2¾	total amount
515	16	0¼	int. for 4th 3 mon.

Sixteenth Year—

34902	11	3	amount
325	0	0	new principal
35227	11	3	total amount
528	8	3	int. for 1st 3 mon.
35755	19	6	amount
325	0	0	new principal
36080	10	6	total amount
541	4	3¼	int. for 2nd 3 mon.
36622	3	9½	amount
325	0	0	new principal
36947	3	9½	total amount
554	4	1¾	int. for 3rd 3 mon.
37501	7	11	amount
325	0	0	new principal
37826	7	11	total amount
567	7	11	int. for 4th 3 mon.

Seventeenth Year—

38393	15	10	amount
325	0	0	new principal
38718	15	10	total amount
580	15	7½	int. for 1st 3 mon.
39299	11	5½	amount
325	0	0	new principal
39624	11	5½	total amount
594	7	4½	int. for 2nd 3 mon.
40218	18	9¾	amount
325	0	0	new principal
40543	18	9¾	total amount
608	3	2	int. for 3rd 3 mon.
41152	1	11¾	amount
325	0	0	new principal
41477	1	11¾	total amount
622	3	1¾	int. for 4th 3 mon.

Eighteenth Year—

£	s.	d.	
42099	5	1¼	amount
325	0	0	new principal
42424	5	1¼	total amount
636	7	3¼	int. for 1st 3 mon.
43060	12	4½	amount
325	0	0	new principal
43385	12	4½	total amount
650	15	8	int. for 2nd 3 mon.
44036	8	0½	amount
325	0	0	new principal
44361	8	0½	total amount
665	8	5	int. for 3rd 3 mon.
45026	16	5½	amount
325	0	0	new principal
45351	16	5½	total amount
680	5	6¼	int. for 4th 3 mon.

Nineteenth Year—

46032	2	0	amount
325	0	0	new principal
46357	2	0	total amount
695	7	1¼	int. for 1st 3 mon.
47052	9	1¼	amount
325	0	0	new principal
47377	9	1¼	total amount
710	13	2¾	int. for 2nd 3 mon.
48088	2	4¼	amount
325	0	0	new principal
48413	2	4¼	total amount
726	3	11	int. for 3rd 3 mon.
49139	6	3¼	amount
325	0	0	new principal
49464	6	3¼	total amount
741	19	3¼	int. for 4th 3 mon.

50206 5 6¾ is the amt. with int. in 20 years by quarterly payments; half yearly ditto take 20¾ years; yearly ditto, 21¼ years.

EXCHANGE.

THE REAL EXCHANGE BETWEEN TWO COUNTRIES.

In commercial intercourse between two countries, when neither of them imports from the other a greater amount than it exports to the same country, the bills in such case drawn by the merchants exporting produce will exactly equal in amount the bills drawn by the merchants importing produce, and their mutual DEBITS and CREDITS will be liquidated without transmission of coin or bullion. Consequently, the balance of trade and balance of payments would be identical. In a speculative country like ENGLAND, the equilibrium of commerce is subject to material fluctuations; for it must be borne in mind that the market rate of exchange is regulated by the balance of payments, more especially in regard to the exchanges of *England*, in which the exporters almost invariably allow a much longer credit than is received by the importers. Were it possible to regulate demand and supply to such a fine poise, bills would neither gain a premium nor lose by discount; and, no matter how the nominal exchange might alter, the real exchange would be at par.

Exchange is said to be favourable or unfavourable to any place, according as a smaller or larger amount of the currency of that place is required for discharging a given amount of foreign payments. Hence, London receives from Paris a variable number of francs and centimes for £1 sterling; and taking the par at 25 francs 34 centimes for £1, exchange will be 5 per cent. in favour of London when it rises to 26 francs 62 centimes, and the reverse against London when it falls to 24 francs 7 centimes, being a loss of nearly 5 per cent.

In the United and Confederated States of America (NORTHERN or NEW ENGLAND STATES:—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut. MIDDLE STATES:—New York, Pennsylvania, New Jersey, and Delaware. SOUTHERN STATES:—Maryland, Virginia, Columbia, North Carolina, South Carolina, Georgia, and Alabama. WESTERN STATES:—Ohio, Indiana, Illinois, Missouri, Tennessee, Kentucky, Mississippi, Louisiana, Arkansas, and Michigan. The territories of FLORIDA, WISCONSIN, and IOWA), the integer of account is the dollar, which contains 100 cents, and at par is equivalent to 4s. 1½d. sterling nearly; but in the custom-house *ad valoram* duties, it is reckoned at 4s. 2d. by an act passed in congress.

AMERICAN STATES WITH BRITAIN.—The par of exchange, as deduced from gold coins, is 49¼ pence per dollar, equal 4 dollars 86⅔ cents per £1 sterling; but in the general transaction of business, the rate is commonly expressed by a per centage upon an assumed par of 4s. 6d. per dollar. The true par stated from this formula is 9¼ per cent. premium, or £109 10s., valuing the dollar at 4s. 6d. = £100 in British sterling money. When the premium is above 9¼ per cent., the exchange is in favour of Great Britain; when below 9¼ per cent., against Britain.

Bills in Europe are commonly drawn at 60 days' sight: the days of grace are three. The foreign exchange is regulated chiefly by the state of the bill market of New York.

DAMAGES ON BILLS.—By a law revised for the state of New York, the following damages are allowed on bills drawn or negotiated in that state, and protested for non-payment, namely—

That is to say, bills drawn on the states of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Pennsylvania, Delaware, Maryland, Ohio, Virginia, or Columbia district, 3 per cent.

On the states of North Carolina, South Carolina, Georgia, Kentucky, or Tennessee, 5 per cent.

On any other part of the United States, or of America north of the Equator, the West Indies, or elsewhere, or any port or place in Europe, 10 per cent.

Such damages shall be in lieu of interest, charges of protest, and all other charges incurred previous to, and at the time of giving notice of nonpayment; but the holder shall be entitled to recover lawful interest upon the aggregate amount of the principal sum specified in the bill, and of the damages thereon, from the time at which notice of protest for nonpayment shall have been given, and payment of such principal shall have been demanded. If the contents of the bill be expressed in the money of the United States, the amount due thereon, and of the damages, shall be determined without reference to the current rate of exchange; but if expressed in foreign money, then the amonnt due, exclusive of the damages, shall be determined by the rate of exchange at the time of the demand for payment.

THE PAR OF EXCHANGE WITH LONDON AND HAMBURGH, as deduced from the market price of gold.—The quotation at Hamburgh, 428 marks banco for Cologne mark weight fine, which, estimating British standard gold at £3 17s. 10½d. per ounce, makes the rate 13 marks banco, 6⅓ schillings per £1; each schilling consisting of 12 pfennings, and the mark equal to 1s. 5·9d., or nearly 1s. 6d. sterling. Current money is composed of the coins in ordinary circulation: banco, used in wholesale trade and exchanges, is the money of the bank.

WEST INDIA ISLANDS, or British Jamaica, and the Windward and Leeward Islands.—Accounts are generally kept in pounds, shillings,

and pence, currency. Some few have the Spanish dollar. The value of currency, always inferior to sterling, varies in different islands. In Jamaica, the fixed par is £100 sterling for £140 currency; but the exchange is commonly from 12 to 20 per cent. above par. Thus, when the rate is quoted "15 per cent. premium," nearly the average course, a bill for £100 sterling is to be understood as equivalent to £115 converted into Jamaica currency. 40 per cent., or £161 currency = £100 sterling, is about the average relative value of Jamaica currency and sterling. The value of £100 sterling in currency of Barbadoes is commonly stated at £135; in that of the Windward Islands, except Barbadoes, £175; in that of the Leeward Islands, £200; but these rates differ widely from the actual course of exchange. In 1856. the average rates of several of the Islands on London were as follow:—

	STERLING.		CURRENCY.
St. Vincent	£100	=	£235
Grenada	100	=	240
St. Lucia	100	=	227
Antigua	100	=	220
Montserrat	100	=	215
Dominica	100	=	245
Tortola	100	=	200

PRICE OF BULLION.

	£	s.	d.	
Foreign gold in bars (standard)	3	17	9	per ounce troy.
Silver in bars (standard)	0	5	0¼	„
Mint price of gold	3	17	10½	„
„ silver	0	5	6	„

The standard for gold coin is 22 carats fine gold, and 2 carats of copper.

The standard for silver is 11 oz. 2 dwts. of silver to 18 dwt. of copper.

The carat consists of 4 grains; 6 carats, or 24 grains, 1 dwt.

STANDARD WEIGHTS OF BRITISH COINS.

	s.	d.		dwt.	gr.
Gold—sovereign,	20	0	sterling	5	3$\frac{1}{11}\frac{1}{11}$
half sovereign	10	0		2	13$\frac{1}{11}\frac{1}{11}$
Silver—crown	5	0		18	4$\frac{4}{11}$
half-crown	2	6		9	2$\frac{2}{11}$
shilling	1	0		3	15$\frac{3}{11}$
sixpence	0	6		1	19$\frac{7}{11}$
fourpence	0	4		1	5$\frac{1}{11}$
threepence	0	3		0	21$\frac{3}{4}$

Copper, 24 pence to one pound avoirdupois, consists of the penny, halfpenny, and farthing. 960 farthings = 240 pence = 20 shillings = 1 pound sterling.

Hence, gold is coined at the rate of 1869 sovereigns from 40 troy pounds of metal, of the standard fineness of 22 carats, or $\frac{11}{12}$ths. Silver is coined at the rate of 66 shillings from 1 troy pound of metal, of the standard fineness of 11 oz. 2 dwts, or $\frac{37}{40}$ths.

Note.—Any sum in silver over 40 shillings is not a legal tender, any sum in copper over 12 pence is not a legal payment.

PAPER MONEY

Consists in England of the notes for £5 and upwards issued by the Bank of England, under the acts 3rd and 4th Wm. IV., c. 98, and the banks established 65 miles from London, under the act of 7th Geo. IV., c. 67. The £5 note is a legal tender in any part of the United Kingdom of Great Britain, except at the Bank's head office in London, and its branches, where they are payable in coin on demand.

BILLS OF EXCHANGE.

Bills are of two kinds, *inland* and *foreign*. Inland bills are both drawn and payable in England, Scotland, or Ireland, respectively, or payable in the same country in which they are drawn. If drawn in one realm of the United Kingdom, and payable in another, they are deemed to be foreign bills. They are in the form of drafts and promissory notes.

The chief distinction between a bill and a note is in the circumstance that the former may be the means of transferring, from hand to hand, money at a distance from the person who operates upon it. Hence, two merchants, A and B, at London, and two others, C and D, at New York; A owes C the same sum that D owes B. Instead of A sending specie to C, and D sending specie to B, it would save expense, and close both transactions, if A should pay the money to B, and receive in return B's bill upon D, which A would transmit to C, to enable him to receive the money from D.

A *draft* is in the form of an order, signed by one party, and addressed to another, requiring him to pay a given sum to his order.

A *promissory note* is a bill in the form of a promise to pay, from one party to another, a given sum at a limited time, or on demand and to his order, or to the bearer.

The Drawer—the original maker of a bill, or the party to whose order it is made payable.

Drawee—the party on whom the bill is drawn.

Acceptor—the party who writes his name on the bill, for himself or for the honour of another, by which he becomes liable to pay it when due. His liability can only be discharged by payment, or by release.

The Payee—the party to whose order the bill is made payable, which may be to the order of the drawer, or to a third person

Indorsers—those who write their names on the back of a bill. An indorser is liable to every succeeding holder, in default of acceptance or payment by the drawer; but if he add the words, "without recourse to me," he is not liable.

Indorsee—the party to whom a bill is transferred.

Holder—the last person in possession of a bill.

Bills of exchange may be transferred from one party to another, so as to vest all legal and equitable interest in the indorsee, and give him a right of action against all the parties whose names are on the bill, in case of default of payment, and entitle him to sue them in his own name.

Bills of exchange and promissory notes are affected by the statute of limitations, and must be sued for within six years. The operation of the statute begins to take place from the time they become due.

A person under age cannot bind himself by a bill or note drawn in the course of trade; nor can an action be supported against him, on a bill or note given him, but he may sue on a bill.

A party may become liable on a bill, not only by his own act, but also by that of his agent or partner. If he become liable through his agent, the bill is drawn, accepted, or indorsed, *by procuration*. An agent must state that he draws, &c., as agent, or his principal will not be bound. If the agent draw or accept in his own name, he will be personally liable, unless he state that he acts as agent.

In co-partnerships, if one partner, during the existence of the partnership, draws, accepts, or indorses a bill or note in the name or on behalf of the firm, it will render the other partner or partners liable, although they were ignorant that the bill was negotiated by the partner for his own benefit; but it is not binding on the other partners, if the holder of the bill, at the time he became so, was aware that it was given for the individual debt of the partner who gave it. It is not necessary that a partner should express the name of the firm, when he draws or accepts on its behalf. It will be sufficient to bind the firm, if he signs his own name only.

"A sleeping partner" is not responsible for a bill accepted by the acting partners in their own names, unless the bill relates to the business of the partnership.

An executor is personally liable, on accepting or indorsing a bill, though he describe himself as executor, unless he confine his stipulation to pay out of the estate.

A bill not duly stamped cannot be pleaded, or given in evidence, or be available in any court of law.

Bills are usually dated from the city or town where drawn; but this is not essential, and no place need be stated. If the bill is dated

London, it would be sufficient to give the drawer notice of dishonour, by a letter addressed to him merely "London," &c.

The date of a bill ought to be clearly expressed. If the bill is intended to be negotiable, the words, "or order," must be inserted in it. The words, "value received," are not absolutely necessary, although it is advisable to insert them, in order to sustain an action of debt by the payee against the maker.

A bill should have the full address of the party on whom drawn,

A note subscribed by more than one party may be either joint or joint and several. "We promise," &c., is a joint note only. "We jointly and severally promise;" but, "I promise," &c., signed by more than one person, is several as well as joint.

A bill or note given for an *illegal consideration* is good in the hands of third parties, who have given value for it, without notice of its illegality.

A bill is not transferable if made "payable to order," except by *indorsement*.

Indorsements are of two sorts, viz., "in blank," or "in full," called a special indorsement. A blank indorsement is the mere signature of the indorser, on the back of the bill. An indorsement in full expresses in whose favour the indorsement is made, thus:—

"Pay Mr. A B or order, C D"—the signature of the indorser.

A holder of a bill may convert a blank indorsement into a special one payable to a stranger, thus: "Pay E F or order." And if transferred in this way, instead of by indorsing, he is not liable as indorser.

The holder of an unaccepted bill should present it for acceptance without delay; though this is not absolutely necessary. He may put it into circulation without presenting it, when it is payable at a given period after date; but a bill payable *at sight*, or a given period after sight, might be presented for acceptance immediately. If not presented within a reasonable time, the holder loses his remedy against the antecedent parties.

A bill should be presented for payment on the day when due, and at the particular place where named. A neglect in this, will discharge the drawer and indorsers.

When a bill is dishonoured, notice should be given without delay, or on the day after the dishonour, to all the parties antecedent; sending a notice through the post is the safest course.

Where parties are jointly liable on a bill, notice to one is sufficient, Neglect of giving notice discharges all the parties to the bill except the acceptor.

A bill given in discharge of a debt which may be lost, is payment, but not if it happens to be destroyed.

Any alteration in a material part of a bill, such as altering date, sum, or time of payment, or the words, "*value received*," into a particular consideration, must be avoided under the stamp laws.

Days of grace are a fixed number of days given after the date of a bill expires, in which to pay it. In this country, *three* days are allowed.

Bills drawn at sight must be paid immediately on presentation, or protested. A bill ought to be presented for payment on the last day of grace. Bills falling due on a *Sunday*, *Good Friday*, or *ChristmasDay*, are payable on the day previous.

Noting a Bill.—The notary marks on the bill the date of refusal of acceptance or payment, and the charges for minuting, with his initials. This is the first step after dishonour.

Protest is a written evidence that a bill was presented for payment when due, and that payment was refused, and the reason given. This is done by a notary public, in the presence of two witnesses, and secures the right of the holder against the drawer and indorsers. A bill neglected to be protested, bases the right of payment from the indorsers. It is not necessary to protest inland bills in any case, though they ought to be *noted;* a foreign bill, if not duly honoured, must be protested, and a copy of the protest, or memorial, must be sent to the drawer; if he resides abroad, advantage must be taken to send to him per first ship.

Supra Protest.—When acceptance is refused, and a bill is protested for non-acceptance, or for better security, any person may accept it *Supra Protest*, for the honour of the drawer, or for any one of the indorsers; this is only a conditional engagement to pay if the drawer does not.

At maturity, the bill must be again presented for payment, and if refused, must be protested a second time for non-payment. The acceptor *supra protest*, is liable to all the parties on the bill subsequent to him, for whose honour the acceptance was made.

FOREIGN BILLS.

Payment of Bills After Sight.—The acceptor places the date on the bill when he accepts, and the time of payment is calculated from this date. The drawer of the bill should express that it is payable according to the course of exchange at the time of drawing it, otherwise the drawer must pay according to the exchange of the day when he accepts. A promise, written or verbal, to pay, or accept, is of itself an acceptance.

Usance (or Usage).—In foreign countries it is the time established by custom in which to pay a bill: in many cases one month is the time specified.

Double Usance means twice the usual time. A half usance is fifteen days.

Re-Exchange is the expense incurred by a bill being dishonoured in a foreign country in which it was payable, and returned to the country in which it was made or indorsed, and there taken up. The holder o a dishonoured foreign bill is entitled to recover of the drawer, not only

the value which he formerly gave for the bill, but also any difference caused by the fluctuations in the rate of exchange, in order to replace the sum that he was entitled to receive at the time, and on the spot where payable.

THE COURSE OF EXCHANGE.

THE brokerage charged on bills is 1 per mille, or $\frac{1}{10}$ per cent. On the evenings of Tuesday and Friday, the market rates for bills, on all the principal foreign cities, with the current prices of bullion, are published in Wetenhall's *Course of Exchange*, from which the following was extracted in 1855:—

NAME OF CITY.	TIME.	RATES.	CURRENCY EXPLAINED.
Amsterdam	3 mon. date	12	4½ florins and stivers for £1
Do. at sight	short	12	1½ ,,
Rotterdam	3 mon date	12	5 ,,
Antwerp	,,	12	5 ,,
Hamburgh	,,	13	12 marks & schillings banco £1
Altona	,,	13	12½ ,,
Paris, 3 days sight	short	25	40 francs and centimes for £1
Do.	3 mon. date	25	65 ,,
Marseilles	,,	25	65 ,,
Bordeaux	,,	25	70 ,,
Frankfort (Maine)	,,		120¾ florins for £10
Berlin	,,	7	0 dollars and groschen for £1
Vienna	,,	10	4 flor. & kreusers, effective, £1
Trieste	,,	10	6 florins and kreusers for £1
Leghorn	,,	30	60 Tuscan lire & centisimi, £1
Genoa	,,	25	80 lire nuove & centisimi, £1
Milan	,,	31	0 lire austriachi & centisimi £1
Venice	,,		47 pence for 6 lire austriachi
Naples	,,		41½ pence for 1 Neapolitan ducat
Palermo	,,		123 pence for 1 oncia
Madrid	,,		37 pence for 1 dollar of plate
Cadiz	,,		36¼ pence for 1 dollar of plate
Barcelona	,,		36 pence for 1 dollar of plate
Gibraltar	,,		48 pence for 1 hard dollar
Lisbon	60 days' date		54½ pence for 1 milrei
Oporto	,,		55 pence for 1 milrei
St. Petersburgh	Usance		87½ pence for 1 silver ruble
Rio Janeiro	60 day sht		,, pence for 1 paper milrei
Bahia	,,		,, ,, ,,
Buenos Ayres	,,		,, ,, for 1 paper dollar
New York	21 days sht		47½ pence for 1 dollar
Philadelphia	,,		41 pence for 1 dollar

The computation of a direct exchange between any two countries is simply a question of proportion. If the course between London and Paris be 25 francs for £1, then £60 will obviously be equivalent to 1500 francs. Again, if the exchange be through a third place, an additional stating will be necessary, and so on. Thus, if the amount of £60 be required in Roman pauls, reckoning £1=25 French francs, and 100 francs=200 pauls, we shall have first, as £1 : £60 :: 25 francs : Answer, 1500 francs. Second, 100 francs : 1500 francs :: 200 pauls : Answer, 3000 pauls. This last example is evidently the answer required, as 1500 francs are equivalent to £60, the original term of demand.

To facilitate calculations in foreign exchanges, the chain rule, or rule of equations, has been adopted, which saves the continued statings required by the double rule of three.

Rule.—Arrange the several terms in separate columns of antecedents and consequents. Reduce all the quantities of the same kind to the same name, change all numbers of unequal kinds into fractions, let x express the required quantity, and to the right hand column put the consequent, or term of demand; then, below x, as antecedent, the other given term which is of the same kind as last consequent, and to the right of it, the term which is equivalent to it. Next, multiply the antecedents together for a divisor; and the consequents, including the term of demand, together for a dividend; and the quotient will give the answer required.

The above may be rendered thus:—

Given to find the number of Roman pauls equivalent to £60 sterling, exchange being 25 French francs to £1, and 100 francs=200 pauls.

Here, x £60
£1 25 francs
100 francs = 200 pauls

Hence, $\frac{60\times25\times200}{1\times100} = \frac{300000}{100} = 3000$ pls. as above.

9¾d = one franc according to this exchange. 4¾d. and ¼ farthing equal to one Roman paul.

NEW YORK.

10 dollars = 1 eagle; 10 dimes = 1 dollar; 10 cents = 1 dime; 10 mils = 1 cent.

London on New York.—Exchange 11¼ per cent, premium.

1st Case.—Exchange 500 dollars into pounds sterling, rating the dollar at 4s. 6d. value.

x 500 dollars.
55¾ dollars, less premium = 50 dollars.
20 dollars = £4½ sterling.

Here, $\left.\frac{500\times50\times4.5}{55{\cdot}75\times20}\right\} = \frac{112500{\cdot}0}{1115{\cdot}00}$

Hence, 500 dollars=£100 17s. 11¼d.; and 1000 dollars £201 15s. 10½d.

New York on London.—Exchange 7¼ per cent. premium.
Exchange £50 into dollars—par, 4s. 6d. per dollar.

$$x \quad £50$$

£4½ sterling = 20 dollars. 50 dollars, plus premium, 53¾ dollars.

$$\text{Here, } \left.\begin{array}{l} 50 \times 20 \times 53{\cdot}75 \\ \hline 4{\cdot}5 \times 50 \end{array}\right\} = \frac{53750{\cdot}00}{225{\cdot}0}$$

Hence, £50 = 238·88 dollars; and £100 = 477·76, or 477¾ dollars.

London on New York, 2nd Case.—Exchange, 46¼d., or 3s. 10¼d. I wish to know the value of 500 dollars, at the above par of exchange, in sterling pounds.

Here, x, 500 dollars. 1 dollar = 46¼ pence. 240 pence = £1 sterling.

$$\text{Hence, } \left.\begin{array}{l} 500 \text{ dollars} \times 46\frac{1}{4} \text{ pence} \times £1 \\ \hline £1 \times 240 \text{ pence} \end{array}\right\} = \left.\begin{array}{l} 23250{\cdot}0 \\ \hline 240 \end{array}\right\} = £96 \text{ 17s. 6d.}$$

and 1000 dollars = £193 15s.

New York on London.—Par of exchange, 4 dollars 80 cents.
x, £50. £1 sterling, 480 cents. 100 cents, 1 dollar.

$$\text{Here, } \left.\begin{array}{l} 50 \times 480 \times 1 \\ \hline 1 \times 100 \end{array}\right\} = \frac{24000}{100}$$

Hence, £50 is equal to 240 dollars at the above par of exchange; and £100 is equal to 480 dollars.

£4 10s. to 20 dollars, or £9 to 40 dollars, is given as the fixed par in the two premium examples as above—the equivalent proportion according to the usage in exchange calculations.

By an act lately passed in congress, the custom houses value the pound sterling at 4 dollars 8 cents, which is 4s. 2d. per dollar, and is equal to a premium of 8 per cent. on the fixed premium of 4s. 6d. per dollar. The value of the half-eagle is 22s. 6d.

London on Montreal.—Exchange, 17½ per cent. premium.
Exchange £500 currency into sterling. x, £500. £117 10s. currency, less premium, is equal to £100 currency; and £10 currency is equal to £9 sterling.

$$\left.\begin{array}{l} 500 \times 100 \times 9 \\ \hline 117{\cdot}5 \times 10 \end{array}\right\} = \frac{450000}{1175{\cdot}0}$$

Hence, £500 currency is equal to £382 19s. 7d. sterling.

Montreal on London.—Exchange 15 per cent. premium.
Exchange £50 sterling into currency. x, £50. £9 sterling is equal to £10 currency; and £100 currency, plus premium, is equal to £115 currency.

$$\left.\begin{array}{l} 50 \times 10 \times 115 \\ \hline 9 \times 100 \end{array}\right\} = \frac{57500}{900}$$

Hence, £50 sterling is equal to £63 17s. 9½d. currency; and £100 sterling is equal to £127 15s. 6½d.

MADRID.

2½ maravedis = 1 quarto; 34 maravedis, or 16 quartos = 1 real; 8 reals = 1 piastre, or dollar of plate; 4 piastres, or 32 reals = 1 pistole of plate or exchangs; 375 maravedis = 1 ducat of platc or exchange; 17 reals of plate = 32 of vellon; 85 dollars of plate = 64 hard dollars; 1 quarto = 4 maravcdis vellon.

London on Madrid.—Exchange 21333⅓ reals of plate into pounds sterling. Exchange 37 pence piastre of plate.

x 21333⅓ reals. 8 are equal to 37 pence; 240 pence are equal to £1.

$$\left.\begin{array}{c}21333\frac{1}{3} \times 37 \times 1 \\ \hline 8 \times 240\end{array}\right\} = \left.\begin{array}{c}796432 \\ \hline 1920\end{array}\right\} = £414\ 5s.\ 9d.$$

Madrid on London.—Exchange £400 sterling into reals of plate, at 36d. piastre of plate.

x £400. £1 is equal to 240d.; 36d. are equal to 8 reals.

$$\left.\begin{array}{c}400 \times 240 \times 8 \\ \hline 1 \times 36\end{array}\right\} = \left.\begin{array}{c}768000 \\ \hline 36\end{array}\right\} = 21333\frac{1}{3}\text{ reals.}$$

LEGHORN.

5 centisimi are equal to 1 soldo di lira; 20 soldo di lira are equal to 1 lira Toscana; 100 centisimi are eqnal to 1 ditto.

London on Leghorn.—Exchange 500 lire Toscana, at 30 lire 60 cents per £.

x 500 lire Toscana. 1 Tuscan lira is equal to 100 cents; 3060 cents are eqnal to £1.

$$\left.\begin{array}{c}500 \times 100 \times 1 \\ \hline 1 \times 3060\end{array}\right\} = \frac{50000}{3060}$$

Hence, 500 lire Toscana are equal to £16 6s. 9⅓d.

Leghorn on London.—Exchange lira Toscana 30, 10 cents.

x £100. £1 sterling is equal to 3010 cents; 100 cents are equal to 1 Tuscan lira.

$$\left.\begin{array}{c}100 \times 3010 \\ \hline 1 \times 100\end{array}\right\} = \frac{301000}{100}$$

Hence, £100 is equal to £ Tusc 3010.

HAVANNA.

London on Havanna.—Exchange, 15 per cent. premium.

Exchange 500 dollars into pounds sterling.

x 500 dollars. 115 dollars less premium = 100; 444 = £100 sterling.

$$\left.\frac{500 \times 100 \times 100}{115 \times 444}\right\} = \frac{5000000}{51060}$$

Here, 500 dollars are equal to £97 18s. 5⅜d.; and 1000 dollars are equal to £195 16s. 11½d.

Havanna on London.—Exchange 14½ per cent. premium.

Exchange £1000 into dollars.

x £1000 sterling. £100 sterling is equal to 444 dollars; 100 dollars, plus premium, are equal to 114½.

$$\left.\frac{1000 \times 444 \times 114\frac{1}{2}}{100 \times 100}\right\} = \frac{50838000}{10000}$$

Hence, £1000 sterling is equal to 5083½ dollars; and £100 is equal to $508\frac{3}{10}$ dollars.

PARIS.

10 mils are equal to 1 centime; 10 centimes are equal to 1 decime; 10 decimes are equal to 1 franc.

London on Paris.—Exchange 25 francs 65 cents.

Given to find the value of 500 francs in sterling money.

x 500 francs. 1 franc is equal to 100 cents; 2565 cents are equal to £1.

$$\left.\frac{500 \times 100 \times 1}{1 \times 2565}\right\} = \frac{50000}{2565}$$

Hence, 500 francs are equal to £19 9s. 10½d.; and 1000 francs are equal to £38 19s. 8½d.

Paris on London.—Exchange 25 francs 10 cents.

Given to find the value of £50 sterling in French francs.

x £50 sterling. £1 is equal to 2510 cents; 100 cents are equal to 1 franc.

$$\text{Here, } \left.\frac{50 \times 2510 \times 1}{1 \times 100}\right\} = \frac{125500}{100}$$

Hence, £50 is equal to 1255 francs; and £100 is equal to 2510 francs.

ST. PETERSBURGH.

One hundred copecks = 1 ruble. The gold and silver coins are the imperial or 10 ruble pieces = £1 12s.; half imperial = 16s.; silver ruble = 3s. 2¾d.

London on St. Petersburgh.—Exchange, 37½ pence. Reduce 500 rubles into sterling. *x*, 500 rubles. 1 ruble is equal to 37½ pence; and 240 pence equal to £1 sterling.

$$\text{Thus, } \left.\frac{500 \times 37\frac{1}{2} \times 1}{1 \times 240}\right\} = \frac{18750}{240}$$

Hence, 500 rubles are equal to £78 2s. 6d., and 1000 rubles are equal to £156 5s.

St. Petersburgh on London.—Exchange, 38 pence. Bring £50 into rubles and copecks. x, £50. £1 is equal to 240 pence; 38 pence are equal to 1 ruble.

$$\text{Thus, } \left.\frac{50 \times 24 \times 1}{1 \times 38}\right\} = \frac{12000}{38}$$

Hence, £50 are equal to 315 rubles 78 copecks, and £100 are equal to 631 rubles 58 copecks nearly.

PALERMO.

20 grani are equal to 1 taro; 12 tari are equal to 1 scudo; 30 tari are equal to 1 onza; 2 onzie are equal to 5 scudi.

London on Palermo.—Exchange, 123 pence. Bring 500 onzie into pounds sterling, at 10½s. sterling per onza. x, 500 onzie. 1 onzie is equal to 123 pence; 240 pence are equal to £1 sterling.

$$\left.\frac{500 \times 123 \times 1}{1 \times 240}\right\} = \frac{64500}{240}$$

500 onzie are equal to £256 5s. sterling, and 1000 onzie are equal to £512 10s. sterling. Second case—x, 500 onzie; 1 onzie is equal to 10½s.; 20s. are equal to £1 sterling.

$$\left.\frac{500 \times 10\frac{1}{2} \times 1}{1 \times 20}\right\} = \frac{5125}{20}\Big\} = £256\ 5s.$$

Palermo on London.—Exchange, 60 tari. Reduce £50 into onzie, at 120d. per onza. x, £50 sterling. £1 is equal to 60 tari; 30 tari are equal to 1 onza.

$$\left.\frac{50 \times 60 \times 1}{1 \times 30}\right\} = \frac{300}{30}$$

Hence, £50 are equal to 100 onzie, and £100 are equal to 200 onzie.

Case 2.—x, £50 sterling. £1 is equal to 240 pence; 120 pence are equal to 1 onza.

$$\left.\frac{50 \times 240 \times 1}{1 \times 120}\right\} = \frac{12000}{120}$$

Hence, £50 sterling are equal to 100 onzie, as above.

HAMBURGH.

Currency.—12 pfennings are equal to 1 schilling; 12 schillings are equal to 1 mark; 2 marks are equal to 1 dollar; 3 marks are equal to 1 rixdollar.

Hamburgh banco is the same as Flemish, viz.: 6 pfennings are equal to 1 groat or penny; 12 pence are equal to 1 schilling; 20 schillings are equal to 1 pound.

London on Hamburgh.—Exchange, 13 marks 12 schillings banco. Given, to find the value of 500 marks banco, in sterling money, at the above exchange. x, 500 marks banco. 1 mark banco is equal to 16 schillings, 220 schillings are equal to £1.

$$\left.\frac{500 \times 16 \times 1}{1 \times 220}\right\} = \frac{8000}{220}$$

Hence, 500 marks are equal to £36 7s. 3¼d., and 1000 marks are equal to £72 14s. 6½d.

Hamburgh on London.—Exchange, 13 marks 7 schillings banco. Given, to find the value of £50 in marks and schillings banco. x, £50 £1 is equal to 215 schillings, 16 schillings are equal to 1 mark.

$$\left.\frac{50 \times 215 \times 1}{1 \times 16}\right\} = \frac{10750}{16}$$

Hence, £50 are equal to 671 marks 14 schillings banco, and £100 are equal to 1343 marks 12 schillings banco.

VIENNA.

60 kreuzers are equal to 1 florin; 90 kreusers are equal to 1 rixdollar.

London on Vienna.—Exchange, 10 florins 4 kreusers. Reduce 500 florins to £1 sterling. x, 500 florins. 1 florin is equal to 60 kreusers 604 kreusers are equal to £1.

$$\left.\frac{500 \times 60 \times 1}{1 \times 604}\right\} = \frac{30000}{604}$$

Hence, 500 florins are equal to £49 13s. 4½d., and 1000 florins, £99 6s. 9d.

Vienna on London.—Exchange, 9 florins 48 kreusers. Reduce £50 to florins. x, £50. £1 is equal to 588 kreusers; 60 kreusers, 1 florin.

$$\left.\frac{50 \times 588 \times 1}{1 \times 60}\right\} = \frac{29400}{60}$$

Hence, £50 are equal to 490 florins, and £100, 980 florins.

VENICE.

4 denari are equal to 1 soldo; 20 soldi austriachi, 1 lira austriachi; 100 centisimi, 1 lira austriachi.

London on Venice.—Exchange, 47 pence. Reduce 10000 lire austriachi to pounds sterling. x, 10000 lire austriachi. 1 lire austriachi is equal to 100 centisimi; 3100 centisimi, £1

Hence, 10000 lire austriachi × 100 × 1 ÷ 3100 = £322 11s. 6¼d., 1000 lire austriachi, £32 5s. 1¼d., and 500 lire austriachi, £16 2s. 6¾d.

Venice on London.—Enchange, 48 pence. Reduce £1000 ster. into lire austriachi, at 48d. per lire austriachi. x, £1000. £1 = 240d.; 48d., 6 lire austriachi,

£1000 × 240 × 6 ÷ 48 = 30000 lire austriachi, £100, 3000 lire austriachi; £50, 1500 lire austriachi.

MILAN.

4 denari = 1 soldo; 20 soldo austriachi = 1 lira austriachi; 100 centisimi = 1 lira austriachi.

London on Milan.—Exchange, 31 lire austriachi. Reduce 500 lire austriachi into sterling money. x, 500 lire austriachi. 1 lira austriachi = 100 centisimi; 3100 centisimi = £1.

Hence, 500 × 100 × 1 ÷ 3100 = £16 2s. 6¾d., and 1000 lire austriachi = £32 5s. 1¼d.

Milan on London.—Exchange, 29 lire 30 centisimi. Reduce £50 into lire austriachi. x, £50. £1 = 2930 centisimi; 100 centisimi = 1 lira austriachi.

50 × 2930 ÷ 100 × 1465 lira austriachi, and £100 gives 3930 lire austriachi.

NAPLES.

10 grani make 1 carlino; 20 grani, 1 taro; 5 tari, or 10 carlini, 1 ducat; 100 grani, 1 ducat.

London on Naples.—Exchange, 41¼d. Reduce 500 ducats to sterling money. x, 500 ducats. 1 ducat = 41¼d.; 240d. = £1.

Hence, 500 ducats × 41¼d. × £1 = 20625 ÷ 240d. gives £85 18s. 9d. and 1000 ducats, = £171 17s. 6d.

Naples on London.—Exchange, 610 grani. Reduce £50 into ducats. x, £50. £1 = 610 grani; 100 grani = 1 ducat.

$$\text{Here, } \left.\frac{50 \times 610 \times 1}{1 \times 100}\right\} = \frac{30500}{100}$$

Hence, £50 = 305 ducats, and £100 = 610 ducats.

BERLIN.

30 silver groshen = 1 Prussian dollar.

London on Berlin.—Exchange 7 Prussian dollars.

Exchange 500 Prussian dollars into pounds sterling.

x 500 Prussian dollars. 1 Prussian dollar is equal to 30 groshen; 210 groshen = £1.

$$\left.\frac{500 \times 30 \times 1}{1 \times 210}\right\} = \frac{15000}{210}$$

Hence, 500 Prussian dollars are equal to £71 8s. 6$\frac{3}{7}$d.; and 1000 Prussian dollars, £142 17s. 1$\frac{1}{7}$d.

Berlin on London.—Exchange 6 Prussian dollars 24 groshen.

Bring £50 into Prussian dollars.

x £50. £1 = to 204 groshen; 30 groshen = 1 Prussian dollar.

$$\left.\frac{50 \times 204 \times 1}{1 \times 30}\right\} = \frac{10200}{30}$$

Hence, £50 = 340 Prussian dollars; and £100 = 680 Pr. dollars.

LISBON,

400 rees make 1 crusado; 1000 rees, 1 milrei; 1000 milreis, 1 conto of rees; 4800 rees, 1 moidre; 2$\frac{1}{2}$ crusadoes, 1 milrei.

London on Lisbon.—Exchange, 54$\frac{3}{4}$ pence.

Bring 500·000 milreis into sterling money.

x 500 milreis. 1 milrei is 54$\frac{3}{4}$ pence; 240 pence, £1.

$$\left.\frac{500{\cdot}000 \times 54\frac{3}{4} \times 1}{1 \times 240}\right\} = \frac{27375}{240}$$

Hence, 500 milreis = £114 1s. 3d.; and 1000 milreis = £228 2s. 6d

Lisbon on London.—Exchange, 57 pence.

Bring £50 into milreis.

x £50. £1 is 240 pence; 57 pence, 1 milrei.

$$\text{Here, } \left.\frac{£50 \times 240 \text{ pence}}{1 \times 57}\right\} = \frac{12000}{57}$$

Hence, £50 = 210·526 milreis; and £100 = 421 milreis 052.

AMSTERDAM.

16 pennings = 1 stiver, or $\frac{8}{7}$ of a penny sterling; 28 stivers = 1 guilder or florin; 2$\frac{1}{2}$ florins = 1 rix dollar, or 18 pence sterling; 6 florins = 1 pound (Flemish); 100 cents = 1 florin.

London on Amsterdam.—Exchange, 12 florins 22$\frac{1}{2}$ cents.

Exchange 500 florins into sterling money.

x 500 florins. 1 florin = 100 cents; 1222$\frac{1}{2}$ cents = £1.

$$\left.\frac{500 \times 100 \times 1}{1 \times 1222}\right\} = \frac{50000}{1222}$$

Hence, 500 florins = £40 18s. 4d.; and 1000 florins = £81 16s. 8d.

Amsterdam on London.—Exchange, 11 florins 95 cents.

Exchange £50 into florins.

x £50. £1 = 1195 cents; 100 cents = 1 florin.

$$\left.\frac{50 \times 1195 \times 1}{1 \times 100}\right\} = \frac{59750}{100}$$

Hence, £50 = 597 florins 50 cents; and £100 = 1195 florins.

GENOA.

100 centisima = 1 lira nuova.

Exchange £310 5s. sterling into lira nuova and centisimi, at 25 lira 35 centisimi per £.

x £310¼. £1 is equal 25 lira 35 centisimi.

£310·25 × 25 lira 35 cent. = 7864 lira, 83 centisimi, and 75 decim.

Hence, £620 10s. = 15729 „ 67 „

Case 2.—Bring £1000 into lira nuova and centisimi, same par of exchange.

x £1000 sterling. £1 = 25 lira 35 centisimi.

£1000 = 25 lira 35 centisimi = 25350 lira nuova.

GIBRALTAR.

16 quartos = 1 real; 12 reals = 1 dollar.

Exchange £375 6s. 8d. sterling into Spanish hard dollars, at 51d. per dollar.

x £375⅓ = 1126. £1 = 240 pence.

153 = 51 = 1 hard dollar.

1126 × 240 ÷ 153 = 1766 hard dollars, 3 reals, 3 quartos.

FRANKFORT.

4 hellers make 1 kreuzer; 4 kreuzers, 1 batz; 15 batzen, or 60 kreuzers, 1 florin; 90 kreuzers, or 1½ florin, 1 rix-dollar.

Exchange £300 10s. sterling into florins and kreuzers, at 120⅜ florins per £10 sterling.

z £300½ = 601. 1200 kreuzers = 10. 120⅜ florins = 7245 kr.

601 × 7245 ÷ 1200 = 3628 florins 32 kr.

INDIRECT, OR ARBITRATION OF EXCHANGE.

Arbitration of Exchange is the operation of finding a proportionate rate between two places, through any intermediate place or places, so as to ascertain the most advantageous method of drawing or remitting. When there is only one intermediate place, it is called Simple Arbitration; and when more than one is concerned, it is said to be Compound Arbitration.

LONDON AND PARIS THROUGH HAMBURGH.

Find the arbitrated rate between London and Paris, when the exchange of London on Hamburgh is 13 marks 12 schillings banco for £1. and that of Paris on Hamburgh 184 francs 50 centimes for 100 marks banco.

x £1 = 220 sehillings banco; 16 schillings = 1 mark banco; 100 marks banco = 18450 cents; 100 cents = 1 franc.

$$\left.\begin{array}{c} 220 \times 18450 \\ \hline 16 \times 100 \times 100 \end{array}\right\} = \frac{4059000}{160000}$$

Hence, the arbitrated rate is 25 francs 36¼ cents.

LONDON AND AMSTERDAM THROUGH MADRID.

Find the arbitrated rate between London and Amsterdam, when the exchange of London on Madrid is 37 pence for 1 dollar of plate, and that of Amsterdam on Madrid 100 florins 75 cents for 40 ducats of plate.

x £1 = 240 pence; 37 pence = 1 dollar of plate; 1 dollar of plate, 272 maravedis; 375 maravedis = 1 ducat; 40 ducats = 10075 cents; 100 cents = 1 florin.

$$\left.\begin{array}{c} 240 \times 272 \times 10075 \\ \hline 37 \times 375 \times 40 \times 100 \end{array}\right\} = \frac{657672000}{55480000}$$

Arbitrated rate, 11 florins 85 cents.

PROMISSORY NOTE.

£99 : 10 : 0 Newcastle-on-Tyne, 1st February, 1857.

Three months after date, I promise to pay Mr. James York, or order, ninety-nine pounds ten shillings, value received.

JOHN KENT.

A DRAFT, OR ORDINARY INLAND BILL.

£100 : 0 : 0 London, January 1st, 1857.

Three months after date, pay to our order one hundred pounds, value received.

YORK, KENT, & Co.

To Mr. James Hogg,
Merchant Docks, London.

Accepted, James Hogg.

FORM OF A FOREIGN BILL OF EXCHANGE.

£540 : 10 : 0 Calcutta, 1st February, 1857.

Ninety days after sight of this, my first of exchange (second and third of the same tenor and date unpaid), pay to the order of Messrs. Hard, Sharp, and Co., five hundred and forty pounds ten shillings sterling, for value received as advised.

GEORGE SAND.

To Messrs. Holland, Cato, & Co.,
Merchants, London.

Accepted 1 Apr. 1857. Payable at Barclay & Co. Holland, Cato, & Co.

HAVING given several bills of exchange to be reduced into sterling or foreign money, it may not be amiss to suggest the form in which a Bill Book should be kept, so that a merchant may know at sight what bills he has to pay and to receive, and when to pay and receive them.

I.—BILLS PAYABLE, VIZ., SUCH AS YOU HAVE ACCEPTED.

Drawer's name and place of residence.	Date of the bill.	The time of payment.	Payable to whom, or order.	Sum drawn for.	Price of exchange.	For or by whom accepted, & place of abode.	Sum sterling.	When due.	Paid or refused acceptance.
William Denham, of Venice.	1st August 1857.	3 months.	Abraham Jenkins.	3000 lire Austriachi	48d. sterling.	Simon Langford, Fleet Str., London.	£100	1st November	Paid.

II.—BILLS RECEIVABLE, SUCH AS YOU HAVE IN YOUR POSSESSION.

Drawer's name and place of abode.	Date of the bill.	The time of payment.	Payable to whom, or order.	Sum drawn for.	Price of exchange.	For or by whom accepted, & place of abode.	Sum sterling.	When due.	Received or returned protested for non-payment.
Michael Angelo, of Vienna.	1st Sept., 1857.	90 days.	William Smith.	980 florins.	48d. sterling.		£100	1st November	Protested for non-acceptance.

SECTION II.

TABLE 1, FOR MAKING PLAIN IRON HOOPS FROM HOT BARS.

Giving the diameters and circumferences for circular hoops, from one inch up to eight feet eight and seven-eight inches, advancing by an eighth.

This table is calculated on the following principle:—add the thickness of your iron, the way it is bent, to the diameter, and multiply by three for circumference, then add half an inch to every foot of circumference or length of the bar. This is sufficient without allowing for shutting or welding, and gives centre to centre of scarv or heel and point.

Rule.—Add the thickness of the iron to diameter of hoop, and refer to table.

Example.—Given to make a hoop three feet diameter inside measure, from iron one inch thick.

Thus—3 feet, add 1 inch, gives 3 feet 1 inch diameter, then multiply 3, gives 9 feet 3 inches, add 9 half-inches and 1 eight, gives the length 9 feet 7⅜ inches.

See column of circumference opposite 3 feet 1 inch.

ft. in. times in. ft. in.

Thus—3 + 1 × 3 + 4⅜ = 9 7⅜

Note.—No allowance is made for welding.

	ft.	in.
Or thus—3	1	
Multiply		3
	9	3
Add ..		4⅜
	9	7⅜

CIRCLES ADVANCING BY AN EIGHTH OF AN INCH.

Diam.	Circ.		Diam.	Circ.		Diam.	Circ.		Diam.	Circ.		Diam.	Circ.	
in.	ft.	in.	in.	ft.	in.	in.	ft.	in.	in.	ft.	in.	in.	ft.	in.
1	0	3⅛	2⅜	0	7⅜	3⅜	0	11½	5⅛	1	4	6⅛	1	8¼
1⅛	0	3½	2¼	0	7½	3½	0	11⅝	5¼	1	4⅜	6⅜	1	8⅜
1¼	0	3⅞	2⅜	0	8¼	4	1	0⅜	5⅜	1	4½	6½	1	9
1⅜	0	4¼	2½	0	8⅜	4⅛	1	0⅞	5½	1	5⅛	6⅝	1	9⅜
1½	0	4⅜	2⅞	0	9	4¼	1	1¼	5⅝	1	5⅜	7	1	9⅞
1⅝	0	5	3	0	9⅜	4⅜	1	1⅜	5¾	1	5⅞	7⅛	1	10¼
1¾	0	5⅜	3⅛	0	9⅝	4½	1	2	5⅞	1	6¼	7¼	1	10⅜
1⅞	0	5¾	3¼	0	10⅛	4⅝	1	2⅜	6	1	6½	7⅜	1	11
2	0	6¼	3⅜	0	10½	4¾	1	2¾	6⅛	1	7⅛	7½	1	11⅜
2⅛	0	6⅝	3½	0	10⅞	4⅞	1	3⅛	6¼	1	7¼	7⅝	1	11¾
2¼	0	7	3⅝	0	11⅛	5	1	3⅜	6⅜	1	7⅜	7¾	2	0⅛

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
0	7 1/8	2	0 1/8	1	1 1/8	3	5 3/8	1	6 3/8	4	10 3/8	2	0 1/8	6	4 1/8	2	5 3/8	7	9 1/8
0	8	2	1	1	1 1/4	3	6 1/4	1	7	4	11 1/8	2	0 1/4	6	4 1/4	2	6	7	9 1/4
0	8 1/8	2	1 1/8	1	1 1/8	3	6 3/8	1	7 1/8	4	11 1/4	2	0 3/8	6	4 3/8	2	6 1/8	7	10 1/8
0	8 1/4	2	1 1/4	1	1 1/4	3	7	1	7 1/4	5	0 1/8	2	0 1/2	6	5 1/8	2	6 1/4	7	10 1/4
0	8 3/8	2	2 1/8	1	1 3/8	3	7 1/8	1	7 3/8	5	0 1/4	2	0 3/8	6	5 1/8	2	6 3/8	7	10 3/8
0	8 1/2	2	2 1/4	1	2	3	7 1/4	1	7 1/2	5	0 3/8	2	1	6	6 1/4	2	6 1/2	7	11 1/8
0	8 5/8	2	2 3/8	1	2 1/8	3	8 1/8	1	7 5/8	5	1 1/8	2	1 1/8	6	6 1/8	2	6 5/8	7	11 3/8
0	8 3/4	2	3 1/4	1	2 1/4	3	8 1/4	1	7 3/4	5	1 1/8	2	1 1/4	6	6 3/8	2	6 3/4	8	0
0	8 7/8	2	3 3/8	1	2 3/8	3	8 3/8	1	7 7/8	5	2	2	1 3/8	6	7 1/8	2	6 7/8	8	0 1/8
0	9	2	4 1/8	1	2 1/4	3	9 1/8	1	8	5	2 1/8	2	1 1/2	6	7 3/8	2	7	8	0 3/8
0	9 1/8	2	4 1/4	1	2 3/8	3	9 1/4	1	8 1/8	5	2 3/8	2	1 3/8	6	8	2	7 1/8	8	1 1/4
0	9 1/4	2	4 3/8	1	2 3/8	3	9 3/8	1	8 1/4	5	3 1/8	2	1 3/8	6	8 1/8	2	7 1/4	8	1 3/8
0	9 3/8	2	5 1/8	1	2 3/8	3	10 1/8	1	8 3/8	5	3 3/8	2	1 3/8	6	8 3/8	2	7 3/8	8	2
0	9 1/2	2	5 1/4	1	3	3	10 1/4	1	8 1/2	5	4	2	2	6	9 1/8	2	7 1/2	8	2 1/8
0	9 5/8	2	5 3/8	1	3 1/8	3	10 3/8	1	8 5/8	5	4 1/8	2	2 1/8	6	9 1/8	2	7 5/8	8	2 3/8
0	9 3/4	2	6	1	3 1/4	3	11 1/8	1	8 3/4	5	4 1/4	2	2 1/4	6	9 3/8	2	7 3/4	8	2 3/8
0	9 7/8	2	6 1/8	1	3 1/4	3	11 1/4	1	8 7/8	5	4 3/8	2	2 1/4	6	10	2	7 7/8	8	3 1/8
0	9 7/8	2	6 3/8	1	3 3/8	3	11 3/8	1	8 7/8	5	5 1/8	2	2 3/8	6	10 1/8	2	7 7/8	8	3 3/8
0	10	2	7 1/4	1	3 1/4	4	0 1/4	1	9	5	5 3/8	2	2 1/4	6	10 3/8	2	8	8	4
0	10 1/8	2	7 3/8	1	3 3/8	4	0 3/8	1	9 1/8	5	6	2	2 3/8	6	11 1/8	2	8 1/8	8	4 1/8
0	10 1/4	2	8	1	3 3/4	4	1	1	9 1/4	5	6 1/8	2	2 3/8	6	11 1/8	2	8 1/4	8	4 1/8
0	10 3/8	2	8 1/8	1	3 7/8	4	1 1/8	1	9 3/8	5	6 1/8	2	2 7/8	7	0	2	8 3/8	8	5 1/8
0	10 1/2	2	8 1/4	1	4	4	2	1	9 1/2	5	7 1/8	2	3	7	0 1/8	2	8 1/2	8	5 1/8
0	10 5/8	2	9 1/8	1	4 1/8	4	2 1/8	1	9 5/8	5	7 1/8	2	3 1/8	7	0 1/8	2	8 5/8	8	5 1/8
0	10 3/4	2	9 1/4	1	4 1/4	4	2 1/8	1	9 3/4	5	7 1/8	2	3 1/4	7	1 1/8	2	8 3/4	8	6 1/8
0	10 7/8	2	10	1	4 1/8	4	3 1/8	1	9 7/8	5	8 1/8	2	3 3/8	7	1 1/8	2	8 7/8	8	6 1/8
0	11	2	10 1/8	1	4 1/4	4	3 1/4	1	10	5	8 1/8	2	3 1/4	7	1 1/8	2	9	8	7 1/8
0	11 1/8	2	10 3/8	1	4 1/8	4	3 3/8	1	10 1/8	5	9 1/8	2	3 3/8	7	2 1/8	2	9 1/8	8	7 1/8
0	11 1/4	2	11 1/8	1	4 1/8	4	4 1/8	1	10 1/4	5	9 1/8	2	3 3/8	7	2 1/8	2	9 1/4	8	8
0	11 3/8	2	11 1/8	1	4 1/8	4	4 1/8	1	10 3/8	5	9 1/8	2	3 3/8	7	3 1/8	2	9 3/8	8	8 1/8
0	11 1/2	2	11 1/8	1	5	4	5 1/8	1	10 1/2	5	10 1/8	2	4	7	3 1/8	2	9 1/2	8	8 1/8
0	11 5/8	3	0 1/8	1	5 1/8	4	5 1/8	1	10 5/8	5	10 1/8	2	4 1/8	7	3 1/8	2	9 5/8	8	9 1/8
0	11 3/4	3	0 1/8	1	5 1/4	4	5 1/8	1	10 3/4	5	11	2	4 1/4	7	4 1/8	2	9 3/4	8	9 1/8
0	11 7/8	3	1 1/8	1	5 1/8	4	6 1/8	1	10 7/8	5	11 1/8	2	4 1/8	7	4 1/8	2	9 7/8	8	10
1	0	3	1 1/8	1	5 1/8	4	6 1/8	1	11	5	11 1/8	2	4 1/8	7	5	2	10	8	10 3/8
1	0 1/8	3	2	1	5 1/8	4	7	1	11 1/8	6	0 1/8	2	4 1/8	7	5 1/8	2	10 1/8	8	10 3/8
1	0 1/4	3	2 1/8	1	5 1/8	4	7 1/8	1	11 1/4	6	0 1/8	2	4 1/8	7	5 1/8	2	10 1/4	8	11 1/8
1	0 3/8	3	2 1/8	1	5 1/8	4	7 1/8	1	11 3/8	6	1	2	4 1/8	7	6 1/8	2	10 3/8	8	11 1/8
1	0 1/2	3	3 1/8	1	6	4	8 1/8	1	11 1/8	6	1 1/8	2	5	7	6 1/8	2	10 1/8	8	11 1/8
1	0 5/8	3	3 1/8	1	6 1/8	4	8 1/8	1	11 1/8	6	1 1/8	2	5 1/8	7	7 1/8	2	10 1/8	9	0 1/8
1	0 3/4	3	4 1/8	1	6 1/4	4	9	1	11 1/4	6	2 1/8	2	5 1/4	7	7 1/8	2	10 3/8	9	0 1/8
1	0 7/8	3	4 1/8	1	6 1/8	4	9 1/8	1	11 1/8	6	2 1/8	2	5 1/8	7	7 1/8	2	10 1/8	9	1 1/8
1	1	3	4 1/8	1	6 1/4	4	9 1/8	2	0	6	3	2	5 1/8	7	8 1/8	2	11	9	1 1/4
1	1 1/8	3	5 1/8	1	6 1/8	4	10 1/8	2	0 1/8	6	3 1/8	2	5 1/8	7	8 1/8	2	11 1/8	9	1 1/8
1	1 1/4	3	5 1/8	1	6 1/8	4	10 1/8	2	0 1/4	6	3 1/8	2	5 1/8	7	9	2	11 1/4	9	2 1/4

Note.—No allowance is made for welding.

Diam.	Circ.	Diam.	Circ.	Diam.	Circ.	Diam.	Circ.	Diam.	Circ.
ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.
2 11⅜	9 2⅜	3 4⅞	10 7⅞	3 10⅜	12 0⅞	4 3⅞	13 6½	4 9⅜	14 11⅜
2 11½	9 3	3 5	10 8½	3 10½	12 1½	4 4	13 6⅝	4 9½	14 11½
2 11⅝	9 3⅜	3 5⅛	10 8⅝	3 10⅝	12 1⅝	4 4⅛	13 7	4 9⅝	15 0⅛
2 11¾	9 3½	3 5¼	10 9	3 10¾	12 2⅛	4 4¼	13 7⅛	4 9¾	15 0¼
2 11⅞	9 4⅛	3 5⅜	10 9⅛	3 10⅞	12 2¼	4 4⅜	13 7¼	4 9⅞	15 1
3 0	9 4¼	3 5½	10 9¼	3 11	12 3	4 4½	13 8⅛	4 10	15 1⅛
3 0⅛	9 4⅜	3 5⅝	10 10⅛	3 11⅛	12 3⅛	4 4⅝	13 8¼	4 10⅛	15 1¼
3 0¼	9 5½	3 5¾	10 10¼	3 11¼	12 3¼	4 4¾	13 8⅜	4 10¼	15 2⅛
3 0⅜	9 5⅛	3 5⅞	10 11	3 11⅜	12 4⅛	4 4⅞	13 9⅛	4 10⅜	15 2⅜
3 0½	9 6	3 6	10 11⅛	3 11½	12 4¼	4 5	13 9¼	4 10½	15 3
3 0⅝	9 6⅛	3 6⅛	10 11⅜	3 11⅝	12 4⅜	4 5⅛	13 10¼	4 10⅝	15 3⅛
3 0¾	9 6⅜	3 6¼	11 0⅛	3 11¾	12 5⅛	4 5¼	13 10⅜	4 10¾	15 3⅜
3 0⅞	9 7¼	3 6⅜	11 0¼	3 11⅞	12 5¼	4 5⅜	13 11	4 10⅞	15 4¼
3 1	9 7⅜	3 6½	11 0⅜	4 0	12 6¼	4 5½	13 11⅛	4 11	15 4⅜
3 1⅛	9 8	3 6⅝	11 1¼	4 0⅛	12 6⅜	4 5⅝	13 11⅜	4 11⅛	15 5
3 1¼	9 8⅛	3 6¾	11 1⅜	4 0¼	12 7	4 5¾	14 0⅛	4 11¼	15 5⅛
3 1⅜	9 8¼	3 6⅞	11 2	4 0⅜	12 7⅛	4 5⅞	14 0⅜	4 11⅜	15 5¼
3 1½	9 9⅛	3 7	11 2⅛	4 0½	12 7¼	4 6	14 1	4 11½	15 6¼
3 1⅝	9 9¼	3 7⅛	11 2¼	4 0⅝	12 8¼	4 6⅛	14 1⅛	4 11⅝	15 6⅜
3 1¾	9 9⅜	3 7¼	11 3⅛	4 0¾	12 8⅛	4 6¼	14 1¼	4 11¾	15 7
3 1⅞	9 10⅛	3 7⅜	11 3¼	4 0⅞	12 8⅜	4 6⅜	14 2¼	4 11⅞	15 7⅛
3 2	9 10⅜	3 7½	11 3⅜	4 1	12 9¼	4 6½	14 2⅜	5 0	15 7¾
3 2⅛	9 11⅛	3 7⅝	11 4¼	4 1⅛	12 9⅜	4 6⅝	14 3	5 0⅛	15 8¼
3 2¼	9 11¼	3 7¾	11 4⅜	4 1¼	12 10	4 6¾	14 3⅜	5 0¼	15 8½
3 2⅜	9 11⅜	3 7⅞	11 5⅛	4 1⅜	12 10⅛	4 6⅞	14 3⅝	5 0⅜	15 9
3 2½	10 0⅛	3 8	11 5¼	4 1½	12 10⅜	4 7	14 4⅛	5 0½	15 9⅜
3 2⅝	10 0⅜	3 8⅛	11 5⅜	4 1⅝	12 11⅛	4 7⅛	14 4⅜	5 0⅝	15 9¾
3 2¾	10 1⅛	3 8¼	11 6¼	4 1¾	12 11¼	4 7¼	14 4⅞	5 0¾	15 10⅛
3 2⅞	10 1⅜	3 8⅜	11 6⅜	4 1⅞	13 0	4 7⅜	14 5¼	5 0⅞	15 10¼
3 3	10 2	3 8½	11 7	4 2	13 0⅜	4 7½	14 5⅜	5 1	15 10⅞
3 3⅛	10 2⅜	3 8⅝	11 7⅜	4 2⅛	13 0⅞	4 7⅝	14 6	5 1⅛	15 11¼
3 3¼	10 2⅝	3 8¾	11 7⅞	4 2¼	13 1¼	4 7¾	14 6⅜	5 1¼	15 11⅝
3 3⅜	10 3⅛	3 8⅞	11 8¼	4 2⅜	13 1⅜	4 7⅞	14 6¾	5 1⅜	16 0
3 3½	10 3⅜	3 9	11 8⅜	4 2½	13 2	4 8	14 7¼	5 1½	16 0⅜
3 3⅝	10 3⅞	3 9⅛	11 9	4 2⅝	13 2⅜	4 8⅛	14 7⅜	5 1⅝	16 0¾
3 3¾	10 4⅛	3 9¼	11 9⅜	4 2¾	13 2⅞	4 8¼	14 7⅞	5 1¾	16 1⅛
3 3⅞	10 4⅜	3 9⅜	11 9¾	4 2⅞	13 3¼	4 8⅜	14 8¼	5 1⅞	16 1⅜
3 4	10 5⅛	3 9½	11 10⅛	4 3	13 3⅜	4 8½	14 8⅜	5 2	16 2
3 4⅛	10 5¼	3 9⅝	11 10¼	4 3⅛	13 3⅞	4 8⅝	14 9	5 2⅛	16 2⅜
3 4¼	10 5⅞	3 9¾	11 11	4 3¼	13 4¼	4 8¾	14 9⅜	5 2¼	16 2¾
3 4⅜	10 6¼	3 9⅞	11 11⅜	4 3⅜	13 4⅜	4 8⅞	14 9⅞	5 2⅜	16 3⅛
3 4½	10 6⅜	3 10	11 11¾	4 3⅝	13 5	4 9	14 10¼	5 2½	16 3¼
3 4⅝	10 7	3 10⅛	12 0⅛	4 3⅞	13 5⅜	4 9⅛	14 10⅜	5 2⅝	16 3⅜
3 4¾	10 7⅜	3 10¼	12 0⅜	4 3¾	13 5¾	4 9¼	14 11	5 2¾	16 4¼

Note.—No allowance is made for welding.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
5	2 7/8	16	4 3/8	5	8 3/8	17	10 1/8	6	1 7/8	19	2 3/8	6	7 3/8	20	8	7	0 3/8	22	1 3/8
5	3	16	5 1/8	5	8 1/2	17	10 1/2	6	2	19	3 1/4	6	7 1/2	20	8 3/8	7	1	22	1 1/2
5	3 1/8	16	5 1/8	5	8 5/8	17	10 7/8	6	2 1/8	19	3 3/8	6	7 5/8	20	8 3/4	7	1 1/8	22	2 1/8
5	3 1/4	16	6	5	8 3/4	17	11 1/4	6	2 1/4	19	4	6	7 3/4	20	9 1/4	7	1 1/4	22	2 3/8
5	3 3/8	16	6 3/8	5	8 7/8	17	11 3/8	6	2 3/8	19	4 1/8	6	7 7/8	20	9 3/8	7	1 3/8	22	3
5	3 1/2	16	6 3/4	5	9	18	0	6	2 1/2	19	4 1/2	6	8	20	10	7	1 1/2	22	3 1/8
5	3 5/8	16	7 1/8	5	9 1/8	18	0 3/8	6	2 5/8	19	5 1/8	6	8 1/8	20	10 3/8	7	1 5/8	22	3 1/4
5	3 3/4	16	7 1/2	5	9 1/4	18	0 3/4	6	2 3/4	19	5 3/8	6	8 1/4	20	10 3/4	7	1 3/4	22	4 1/8
5	3 7/8	16	7 7/8	5	9 3/8	18	1 1/8	6	2 7/8	19	6	6	8 3/8	20	11 1/4	7	1 7/8	22	4 1/4
5	4	16	8 1/4	5	9 1/2	18	1 1/4	6	3	19	6 3/8	6	8 1/2	20	11 3/4	7	2	22	5
5	4 1/8	15	8 3/8	5	9 3/8	18	1 7/8	6	3 1/8	19	6 3/4	6	8 5/8	21	0	7	2 1/8	22	5 3/8
5	4 1/4	16	9	5	9 3/4	18	2 1/4	6	3 1/4	19	7 1/8	6	8 3/4	21	0 3/8	7	2 1/4	22	5 3/4
5	4 3/8	16	9 3/8	5	9 7/8	18	2 3/8	6	3 3/8	19	7 1/2	6	8 7/8	21	0 3/4	7	2 3/8	22	6 1/8
5	4 1/2	16	9 3/4	5	10	18	3	6	3 1/2	19	8	6	9	21	1 1/4	7	2 1/2	22	6 1/2
5	4 5/8	16	10 1/8	5	10 1/8	18	3 3/8	6	3 5/8	19	8 3/8	6	9 1/8	21	1 3/8	7	2 5/8	22	6 7/8
5	4 3/4	16	10 3/8	5	10 1/4	18	3 3/4	6	3 3/4	19	8 3/4	6	9 1/4	21	2	7	2 3/4	22	7 3/8
5	4 7/8	16	11	5	10 3/8	18	4 1/8	6	3 7/8	19	9 1/8	6	9 3/8	21	2 3/8	7	2 7/8	22	7 3/4
5	5	16	11 3/8	5	10 1/2	18	4 1/2	6	4	19	9 1/2	6	9 1/2	21	2 3/4	7	3	22	8 1/8
5	5 1/8	16	11 3/4	5	10 3/8	18	5	6	4 1/8	19	10	6	9 3/8	21	3 1/4	7	3 1/8	22	8 1/4
5	5 1/4	17	0 1/8	5	10 3/4	18	5 3/8	6	4 1/4	19	10 3/8	6	9 3/4	21	3 3/8	7	3 1/4	22	9
5	5 3/8	17	0 1/2	5	10 7/8	18	5 3/4	6	4 3/8	19	10 3/4	6	9 7/8	21	4	7	3 3/8	22	9 3/8
5	5 1/2	17	1	5	11	18	6 1/8	6	4 1/2	19	11 1/8	6	10	21	4 3/8	7	3 1/2	22	9 3/4
5	5 5/8	17	1 3/8	5	11 1/8	18	6 1/2	6	4 5/8	19	11 1/2	6	10 1/8	21	4 3/4	7	3 5/8	22	10 1/8
5	5 3/4	17	1 3/4	5	11 1/4	18	6 7/8	6	4 3/4	19	11 7/8	6	10 1/4	21	5 1/4	7	3 3/4	22	10 1/2
5	5 7/8	17	2 1/8	5	11 3/8	18	7 1/4	6	4 7/8	20	0 1/4	6	10 3/8	21	5 5/8	7	3 7/8	22	11
5	6	17	2 1/2	5	11 1/2	18	7 3/8	6	5	20	0 3/8	6	10 1/2	21	6	7	4	22	11 1/8
5	6 1/8	17	2 7/8	5	11 3/8	18	8	6	5 1/8	20	1	6	10 5/8	21	6 3/8	7	4 1/8	22	11 3/4
5	6 1/4	17	3 1/4	5	11 3/4	18	8 1/8	6	5 1/4	20	1 3/8	6	10 3/4	21	6 3/4	7	4 1/4	23	0 1/8
5	6 3/8	17	3 3/8	5	11 7/8	18	8 3/8	6	5 3/8	20	1 3/4	6	10 7/8	21	7 1/8	7	4 3/8	23	0 1/2
5	6 1/2	17	4 1/8	6	0	18	9	6	5 1/2	20	2 1/8	6	11	21	7 1/2	7	4 1/2	23	1
5	6 5/8	17	4 1/2	6	0 1/8	18	9 3/8	6	5 5/8	20	2 3/8	6	11 1/8	21	7 7/8	7	4 5/8	23	1 3/8
5	6 3/4	17	4 7/8	6	0 1/4	18	9 3/4	6	5 3/4	20	3	6	11 1/4	21	8 1/4	7	4 3/4	23	1 3/4
5	6 7/8	17	5 1/4	6	0 3/8	18	10 1/8	6	5 7/8	20	3 3/8	6	11 3/8	21	8 5/8	7	4 7/8	23	2 1/8
5	7	17	5 5/8	6	0 1/2	18	10 1/2	6	6	20	3 3/4	6	11 1/2	21	9	7	5	23	2 1/2
5	7 1/8	17	6	6	0 3/8	18	11	6	6 1/8	20	4 1/8	6	11 3/8	21	9 3/8	7	5 1/8	23	2 7/8
5	7 1/4	17	6 3/8	6	0 3/4	18	11 3/8	6	6 1/4	20	4 1/2	6	11 3/4	21	9 3/4	7	5 1/4	23	3 1/4
5	7 3/8	17	6 3/4	6	0 7/8	18	11 3/4	6	6 3/8	20	5	6	11 7/8	21	10 1/4	7	5 3/8	23	3 5/8
5	7 1/2	17	7 1/8	6	1	19	0 1/8	6	6 1/2	20	5 3/8	7	0	21	10 3/8	7	5 1/2	23	4
5	7 5/8	17	7 1/2	6	1 1/8	19	0 3/8	6	6 5/8	20	5 3/4	7	0 1/8	21	11	7	5 5/8	23	4 3/8
5	7 3/4	17	8	6	1 1/4	19	0 7/8	6	6 3/4	20	6 1/4	7	0 1/4	21	11 3/8	7	5 3/4	23	4 3/4
5	7 7/8	17	8 3/8	6	1 3/8	19	1 1/4	6	6 7/8	20	6 1/2	7	0 3/8	21	11 3/4	7	5 7/8	23	5 1/8
5	8	17	8 7/8	6	1 1/2	19	1 3/8	6	7	20	6 3/4	7	0 1/2	22	0 1/4	7	6	23	5 1/2
5	8 1/8	17	9 3/8	6	1 3/8	19	2	6	7 1/8	20	7 1/4	7	0 3/8	22	0 3/4	7	6 1/8	23	5 7/8
5	8 1/4	17	9 3/4	6	1 3/4	19	2 1/4	6	7 1/4	20	7 3/4	7	0 3/4	22	1	7	6 1/4	23	6 1/4

Note.—No allowance is made for welding.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
7	6⅛	23	6⅛	7	9⅛	24	4	8	0⅛	25	1¼	8	3¼	25	10	8	6¼	26	7¼
7	6¼	23	7	7	9¼	24	4⅛	8	0¼	25	1⅜	8	3⅜	25	10⅛	8	6¼	26	7¼
7	6⅜	23	7⅛	7	9⅜	24	4¼	8	0⅜	25	2	8	3½	25	10¼	8	6⅜	26	7⅜
7	6½	23	7⅜	7	9½	24	5¼	3	0½	25	2⅛	8	3⅝	25	11⅛	8	6½	26	8¼
7	6⅝	23	8¼	7	9⅝	24	5⅛	3	0⅝	25	2¼	8	3¾	25	11¼	8	6⅝	26	8⅜
7	7	23	8⅜	7	10	24	6	8	1	25	3⅛	8	3⅞	25	11⅞	8	6¾	26	9
7	7⅛	23	9	7	10⅛	24	6⅛	8	1⅛	25	3¼	8	4	26	0¼	8	6⅞	26	9⅛
7	7¼	23	9⅛	7	10¼	24	6¼	8	1¼	25	3⅜	8	4⅛	26	0⅜	8	7	26	9⅞
7	7⅜	23	9¼	7	10⅜	24	7⅛	8	1⅜	25	4¼	8	4¼	26	1	8	7⅛	26	10¼
7	7½	23	10⅛	7	10½	24	7¼	8	1½	25	4⅜	8	4⅜	26	1⅛	8	7¼	26	10⅜
7	7⅝	23	10¼	7	10⅝	24	8	8	1⅝	25	5⅛	8	4½	26	1¼	8	7⅜	26	11⅛
7	7¾	23	11	7	10¾	24	8⅛	8	1¾	25	5¼	8	4⅝	26	2⅛	8	7½	26	11¼
7	7⅞	23	11⅛	7	10⅞	24	8¼	8	1⅞	25	5⅜	8	4¾	26	2¼	8	7⅝	26	11⅞
7	8	23	11¼	7	11	24	9⅛	8	2	25	6⅛	8	4⅞	26	3	8	7¾	27	0⅛
7	8⅛	24	0¼	7	11⅛	24	9¼	8	2⅛	25	6⅜	8	5	26	3⅛	8	7⅞	27	0⅜
7	8¼	24	0⅜	7	11¼	24	9⅞	8	2¼	25	7	8	5⅛	26	3⅜	8	8	27	1¼
7	8⅜	24	1	7	11⅜	24	10¼	8	2⅜	25	7⅛	8	5¼	26	4⅛	8	8⅛	27	1⅜
7	8½	24	1⅛	7	11½	24	10⅜	8	2½	25	7¼	8	5⅜	26	4¼	8	8¼	27	1⅞
7	8⅝	24	1¼	7	11⅝	24	11	8	2⅝	28	8⅛	8	5½	26	4⅜	8	8⅜	27	2¼
7	8¾	24	2⅛	7	11¾	24	11⅜	8	2¾	25	8¼	8	5⅝	26	5⅛	8	8½	27	2⅜
7	8⅞	24	2¼	7	11⅞	24	11¾	8	2⅞	25	8⅜	8	5¾	26	5⅜	8	8⅝	27	3
7	9	24	2⅜	8	0	25	0⅛	8	3	25	9¼	8	5⅞	26	6	8	8¾	27	3⅛
7	9⅛	24	3¼	8	0⅛	25	0¼	8	3⅛	25	9⅜	8	6	26	6¼	8	8⅞	27	3¾
7	9¼	24	3⅜	8	0¼	25	0⅜												

Note.—No allowance is made for welding.

SECTION II.—TABLE 2.

Giving diameters and circumferences of circles, from 1 inch, advancing by an eighth, up to twenty feet eight and seven-eight inches.

This table is calculated upon the proportion—as 1 is to 3·1416, so is the diameter to the circumference; giving proper lengths for railway carriage and locomotive engine wheel tyers, such tyers that hath a crease upon one edge, or what is commonly called a flange.

Rule.—Add the thickness of the plain edge of the tyer to the diameter of wheel, and the column of circumferences will give the length required.

Example.—A wheel, 5 feet 8 inches, is to be hooped with a tyer 2 inches thick. You add the 2 inches to the diameter; this makes 5 feet 10 inches in diameter. See column of diameters, opposite to which stands 18 feet 3⅞ inches = length required.

Suppose another.—Given, to make a hoop, from a tyer $2\frac{3}{16}$ inches thick, for a wheel 5 feet $9\frac{1}{4}$ inches diameter. Again—diameter, add thickness, $2\frac{3}{16}$ inches—thus, 5 feet $9\frac{1}{4}$ inches + $2\frac{3}{16}$ = 5 feet $11\frac{7}{16}$ inches—or thus, 5 feet $11\frac{7}{16}$ inches.

In refering to column of diameters you find opposite this dimension 18 feet $9\frac{3}{4}$ inches—sufficient length to make the hoop.

Secondly.—This table is adapted for giving correct lengths for all kinds of hoops which are bent cold by rollers or other processes, such as hoops for large wooden or iron circular tanks, also for rings which form the circumference of steam-boat paddle wheels, &c.; likewise, right lengths for all kinds of boiler tubes from centre to centre of rivet holes.

Note.—No allowance is made for welding; and when the tyers for locomotive and railway carriage wheels are ordered at the rolling mill they must be ordered once the thickness of the tyer longer and 1 inch more. Hence, if a tyer be 2 inches thick on the plain edge, it must be ordered 3 inches longer than the lengths specified by the rule.

CIRCLES ADVANCING BY AN EIGHTH OF AN INCH.

Diam.	Circ.	Diam.	Circ.	Diam.	Circ.	Diam.	Circ.	Diam.	Circ.	Diam.	Circ.
in.	ft. in.	in.	ft. in.	in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.
1	0 3⅛	4	1 0⅛	7	1 9⅞	0 10	2 7⅛	1 1	3 4⅞		
1⅛	0 3⅛	4⅛	1 0⅞	7⅛	1 10⅛	0 10⅛	2 7⅜	1 1⅛	3 5⅛		
1¼	0 3⅜	4¼	1 1⅛	7¼	1 10⅜	0 10¼	2 8⅛	1 1¼	3 5⅜		
1⅜	0 4⅛	4⅜	1 1⅜	7⅜	1 11⅛	0 10⅜	2 8¼	1 1⅜	3 6		
1½	0 4⅜	4½	1 2⅛	7½	1 11⅜	0 10½	2 8⅜	1 1½	3 6⅜		
1⅝	0 5	4⅝	1 2⅜	7⅝	1 11⅞	0 10⅝	2 9⅛	1 1⅝	3 6⅞		
1¾	0 5⅛	4¾	1 2⅞	7¾	2 0⅛	0 10¾	2 9¼	1 1¾	3 7⅛		
1⅞	0 5⅜	4⅞	1 3⅛	7⅞	2 0⅜	0 10⅞	2 10⅛	1 1⅞	3 7⅜		
2	0 6⅛	5	1 3⅜	8	2 1⅛	0 11	2 10⅜	1 2	3 7⅞		
2⅛	0 6⅜	5⅛	1 4	8⅛	2 1⅜	0 11⅛	2 10⅞	1 2⅛	3 8⅛		
2¼	0 7	5¼	1 4⅛	8¼	2 1⅞	0 11¼	2 11⅛	1 2¼	3 8⅜		
2⅜	0 7⅛	5⅜	1 4⅜	8⅜	2 2⅛	0 11⅜	2 11⅜	1 2⅜	3 9⅛		
2½	0 7⅜	5½	1 5⅛	8½	2 2⅜	0 11½	3 0	1 2½	3 9⅜		
2⅝	0 8⅛	5⅝	1 5⅜	8⅝	2 3	0 11⅝	3 0⅛	1 2⅝	3 9⅞		
2¾	0 8⅜	5¾	1 6	8¾	2 3⅛	0 11¾	3 0⅜	1 2¾	3 10⅛		
2⅞	0 9	5⅞	1 6⅛	8⅞	2 3⅜	0 11⅞	3 1⅛	1 2⅞	3 10⅜		
3	0 9⅛	6	1 6⅜	9	2 4⅛	1 0	3 1⅜	1 3	3 11		
3⅛	0 9⅜	6⅛	1 7⅛	9⅛	2 4⅜	1 0⅛	3 2	1 3⅛	3 11⅛		
3¼	0 10⅛	6¼	1 7⅜	9¼	2 5	1 0⅜	3 2⅛	1 3¼	3 11⅜		
3⅜	0 10⅜	6⅜	1 8	9⅜	2 5⅛	1 0⅝	3 2⅜	1 3⅜	4 0⅛		
3½	0 10⅞	6½	1 8⅛	9½	2 5⅜	1 0⅞	3 3⅛	1 3½	4 0⅜		
3⅝	0 11⅛	6⅝	1 8⅜	9⅝	2 6⅛	1 0⅞	3 3⅜	1 3⅝	4 1		
3¾	0 11⅜	6¾	1 9⅛	9¾	2 6⅜	1 0⅞	3 4	1 3¾	4 1⅛		
3⅞	1 0⅛	6⅞	1 9⅜	9⅞	2 7	1 0⅞	3 4⅛	1 3⅞	4 1⅜		

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
1	4	4	2½	1	9½	5	7½	2	3	7	0⅜	2	8½	8	6	3	2	9	11⅜
1	4⅛	4	2⅝	1	9⅝	5	8	2	3⅛	7	1⅛	2	8⅝	8	6⅛	3	2⅛	9	11⅝
1	4¼	4	3	1	9¾	5	8⅜	2	3¼	7	1⅜	2	8¾	8	6⅜	3	2¼	10	0⅛
1	4⅜	4	3⅛	1	9⅞	5	8¾	2	3⅜	7	2	2	8⅞	8	7½	3	2⅜	10	0¼
1	4½	4	3⅜	1	10	5	9	2	3½	7	2⅛	2	9	8	7⅛	3	2½	10	0⅜
1	4⅝	4	4½	1	10⅛	5	9⅛	2	3⅝	7	2¼	2	9⅛	8	8	3	2⅝	10	1½
1	4¾	4	4½	1	10¼	5	9⅜	2	3¾	7	3½	2	9¼	8	8⅛	3	2¾	10	1⅝
1	4⅞	4	5	1	10⅜	5	10¼	2	3⅞	7	3¼	2	9⅜	8	8¼	3	2⅞	10	2⅛
1	5	4	5⅛	1	10½	5	10⅜	2	4	7	3⅜	2	9½	8	9½	3	3	10	2½
1	5⅛	4	5¼	1	10⅝	5	11	2	4⅛	7	4½	2	9⅝	8	9⅝	3	3⅛	10	2⅞
1	5¼	4	6⅛	1	10¾	5	11⅛	2	4¼	7	4¼	2	9¾	8	10	3	3¼	10	3⅛
1	5⅜	4	6¼	1	10⅞	5	11¼	2	4⅜	7	5⅛	2	9⅞	8	10⅛	3	3⅜	10	3⅜
1	5½	4	6⅜	1	11	6	0⅛	2	4½	7	5¼	2	10	8	10⅜	3	3½	10	4
1	5⅝	4	7⅛	1	11⅛	6	0⅜	2	4⅝	7	5⅞	2	10⅛	8	11⅛	3	3⅝	10	4⅛
1	5¾	4	7¼	1	11¼	6	1	2	4¾	7	6⅛	2	10⅛	8	11⅛	3	3¾	10	4⅜
1	5⅞	4	8⅛	1	11⅜	6	1⅛	2	4⅞	7	6⅜	2	10⅜	8	11⅞	3	3⅞	10	5½
1	6	4	8¼	1	11½	6	1¼	2	5	7	7	2	10½	9	0⅛	3	4	10	5⅛
1	6⅛	4	8⅞	1	11⅝	6	2⅛	2	5⅛	7	7¼	2	10⅝	9	0⅜	3	4⅛	10	6
1	6¼	4	9¼	1	11¾	6	2¼	2	5¼	7	7⅞	2	10¾	9	1⅛	3	4¼	10	6⅛
1	6⅜	4	9⅜	1	11⅞	6	3	2	5⅜	7	8¼	2	10⅞	9	1½	3	4⅜	10	6½
1	6½	4	10	2	0	6	3⅛	2	5½	7	8⅝	2	11	9	1⅞	3	4½	10	7⅛
1	6⅝	4	10⅛	2	0⅛	6	3⅜	2	5⅝	7	9	2	11⅛	9	2⅛	3	4⅝	10	7⅜
1	6¾	4	10⅜	2	0¼	6	4⅛	2	5¾	7	9⅜	2	11¼	9	2⅜	3	4¾	10	8
1	6⅞	4	11¼	2	0⅜	6	4¼	2	5⅞	7	9¾	2	11⅜	9	3	3	4⅞	10	8⅛
1	7	4	11⅜	2	0½	6	4⅜	2	6	7	10⅛	2	11½	9	3⅛	3	5	10	8½
1	7⅛	5	0	2	0⅝	6	5⅛	2	6⅛	7	10⅜	2	11⅝	9	3⅜	3	5⅛	10	9⅛
1	7¼	5	0⅛	2	0¾	6	5¼	2	6¼	7	11	2	11¾	9	4⅛	3	5¼	10	9⅜
1	7⅜	5	0⅞	2	0⅞	6	5⅜	2	6⅜	7	11⅜	2	11⅞	9	4⅜	3	5⅜	10	9⅞
1	7½	5	1½	2	1	6	6⅛	2	6½	7	11⅞	3	0	9	5	3	5½	10	10⅛
1	7⅝	5	1⅝	2	1⅛	6	6⅜	2	6⅝	8	0⅛	3	0⅛	9	5⅛	3	5⅝	10	10⅜
1	7¾	5	2	2	1¼	6	7¼	2	6¾	8	0⅜	3	0¼	9	5⅜	3	5¾	10	11⅛
1	7⅞	5	2⅛	2	1⅜	6	7⅜	2	6⅞	8	0⅞	3	0⅜	9	6¼	3	5⅞	10	11⅜
1	8	5	2⅜	2	1⅝	6	8	2	7	8	1⅛	3	0½	9	6⅜	3	6	10	11⅞
1	8⅛	5	3⅛	2	1⅞	6	8⅛	2	7⅛	8	1¼	3	0⅝	9	7	3	6⅛	11	0⅛
1	8¼	5	3⅜	2	1⅝	6	8⅜	2	7¼	8	2⅛	3	0¾	9	7⅛	3	6¼	11	0⅜
1	8⅜	5	4	2	1⅞	6	9⅛	2	7⅜	8	2⅜	3	0⅞	9	7⅜	3	6⅜	11	1⅛
1	8½	5	4⅛	2	2	6	9⅜	2	7½	8	2⅞	3	1	9	8⅛	3	6½	11	1½
1	8⅝	5	4⅜	2	2⅛	6	10	2	7⅝	8	3⅛	3	1⅛	9	8⅜	3	6⅝	11	1⅞
1	8¾	5	5⅛	2	2⅛	6	10⅛	2	7¾	8	3⅜	3	1¼	9	9	3	6¾	11	2⅛
1	8⅞	5	5¼	2	2⅜	6	10⅜	2	7⅞	8	4⅛	3	1⅜	9	9⅜	3	6⅞	11	2⅜
1	9	5	5⅞	2	2½	6	11½	2	8	8	4¼	3	1½	9	9⅝	3	7	11	3
1	9⅛	5	6⅛	2	2⅝	6	11⅛	2	8⅛	8	4⅞	3	1⅝	9	10⅛	3	7⅛	11	3⅛
1	9¼	5	6⅜	2	2⅞	7	0	2	8¼	8	5¼	3	1⅞	9	10⅜	3	7¼	11	3⅞
1	9⅜	5	7⅛	2	2⅞	7	0⅛	2	8⅜	8	5⅜	3	1⅞	9	10⅜	3	7⅜	11	4⅛

Note.—No allowance is made for welding.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
3	7½	11	4⅜	4	1	12	9⅞	4	6½	14	3½	5	0	15	8⅜	5	5½	17	1⅞
3	7⅝	11	5	4	1⅛	12	10⅛	4	6⅝	14	3⅝	5	0⅛	15	8⅞	5	5⅝	17	2⅛
3	7¾	11	5⅛	4	1¼	12	10⅜	4	6¾	14	4	5	0¼	15	9¼	5	5¾	17	2¼
3	7⅞	11	5⅜	4	1⅜	12	11	4	6⅞	14	4⅜	5	0⅜	15	9⅜	5	5⅞	17	2⅜
3	8	11	6⅛	4	1½	12	11½	4	7	14	4¾	5	0½	15	10	5	6	17	3¼
3	8⅛	11	6¼	4	1⅝	12	11⅞	4	7⅛	14	5⅛	5	0⅝	15	10⅜	5	6⅛	17	3⅜
3	8¼	11	7	4	1¾	13	0¼	4	7¼	14	5¼	5	0¾	15	10¾	5	6¼	17	4⅛
3	8⅜	11	7⅛	4	1⅞	13	0⅜	4	7⅜	14	5⅞	5	0⅞	15	11⅛	5	6⅜	17	4¼
3	8½	11	7⅜	4	2	13	1	4	7½	14	6¼	5	1	15	11⅜	5	6½	17	4⅞
3	8⅝	11	8¼	4	2⅛	13	1⅛	4	7⅝	14	6⅜	5	1⅛	16	0	5	6⅝	17	5¼
3	8¾	11	8⅛	4	2¼	13	1⅞	4	7¾	14	7⅛	5	1⅛	16	0⅜	5	6¾	17	5⅜
3	8⅞	11	8⅞	4	2⅜	13	2¼	4	7⅞	14	7⅛	5	1⅜	16	0¾	5	6⅞	17	6
3	9	11	9¼	4	2½	13	2⅜	4	8	14	7⅞	5	1½	16	1½	5	7	17	6⅜
3	9⅛	11	9⅜	4	2⅝	13	3	4	8⅛	14	8¼	5	1⅝	16	1¼	5	7⅛	17	6⅞
3	9¼	11	10⅛	4	2¾	13	3⅜	4	8¼	14	8⅜	5	1¾	16	1⅞	5	7¼	17	7¼
3	9⅜	11	10¼	4	2⅞	13	3¾	4	8⅜	14	9	5	1⅞	16	2⅜	5	7⅜	17	7⅞
3	9½	11	10⅞	4	3	13	4⅛	4	8½	14	9⅛	5	2	16	2¾	5	7½	17	8
3	9⅝	11	11⅛	4	3⅛	13	4½	4	8⅝	14	9⅞	5	2⅛	16	3⅛	5	7⅝	17	8⅜
3	9¾	11	11⅜	4	3¼	13	5	4	8¾	14	10¼	5	2¼	16	3½	5	7¾	17	8¾
3	9⅞	12	0	4	3⅜	13	5⅛	4	8⅞	14	10⅜	5	2⅜	16	3⅞	5	7⅞	17	9¼
3	10	12	0¼	4	3½	13	5¾	4	9	14	11	5	2½	16	4¼	5	8	17	9⅜
3	10⅛	12	0⅞	4	3⅝	13	6⅛	4	9⅛	14	11⅜	5	2⅝	16	4⅜	5	8⅛	17	10
3	10¼	12	1¼	4	3¾	13	6½	4	9¼	14	11¾	5	2¾	16	5¼	5	8¼	17	10⅜
3	10⅜	12	1⅜	4	3⅞	13	6⅞	4	9⅜	15	0⅛	5	2⅞	16	5⅜	5	8⅜	17	10¾
3	10½	12	2	4	4	13	7¼	4	9½	15	0⅜	5	3	16	5⅞	5	8½	17	11⅛
3	10⅝	12	2⅜	4	4⅛	13	7⅝	4	9⅝	15	1	5	3⅛	16	6¼	5	8⅝	17	11½
3	10¾	12	2¾	4	4¼	13	8⅛	4	9¾	15	1⅜	5	3⅛	16	6⅜	5	8¾	17	11⅞
3	10⅞	12	3¼	4	4⅜	13	8½	4	9⅞	15	1¾	5	3⅜	16	7	5	8⅞	18	0⅜
3	11	12	3⅜	4	4½	13	8⅞	4	10	15	2¼	5	3½	16	7⅜	5	9	18	0¾
3	11⅛	12	4	4	4⅝	13	9¼	4	10⅛	15	2½	5	3⅝	16	7⅞	5	9⅛	18	1⅛
3	11¼	12	4⅜	4	4¾	13	9⅝	4	10¼	15	2⅞	5	3¾	16	8¼	5	9¼	18	1½
3	11⅜	12	4¾	4	4⅞	13	10	4	10⅜	15	3⅜	5	3⅞	16	8⅜	5	9⅜	18	1⅞
3	11½	12	5¼	4	5	13	10½	4	10½	15	3¾	5	4	16	9	5	9½	18	2¼
3	11⅝	12	5⅜	4	5⅛	13	10⅞	4	10⅝	15	4⅛	5	4⅛	16	9⅜	5	9⅝	18	2⅝
3	11¾	12	6	4	5¼	13	11¼	4	10¾	15	4½	5	4¼	16	9¾	5	9¾	18	3
3	11⅞	12	6⅜	4	5⅜	13	11⅝	4	10⅞	15	4⅞	5	4⅜	16	10⅛	5	9⅞	18	3½
4	0	12	6¾	4	5½	14	0	4	11	15	5¼	5	4½	16	10⅜	5	10	18	3⅞
4	0⅛	12	7⅛	4	5⅝	14	0⅜	4	11⅛	15	5⅜	5	4⅝	16	11	5	10⅛	18	4¼
4	0¼	12	7¼	4	5¾	14	0¾	4	11¼	15	6⅛	5	4¾	16	11⅜	5	10¼	18	4⅝
4	0⅜	12	7⅞	4	5⅞	14	1¼	4	11⅜	15	6½	5	4⅞	16	11¾	5	10⅜	18	5
4	0½	12	8¼	4	6	14	1⅝	4	11½	15	6⅞	5	5	17	0¼	5	10½	18	5⅜
4	0⅝	12	8⅜	4	6⅛	14	2	4	11⅝	15	7¼	5	5⅛	17	0⅝	5	10⅝	18	5⅞
4	0¾	12	9¼	4	6¼	14	2⅜	4	11¾	15	7⅝	5	5¼	17	1	5	10¾	18	6¼
4	0⅞	12	9½	4	6⅜	14	2¾	4	11⅞	15	8	5	5⅜	17	1⅜	5	10⅞	18	6⅝

Note.—No allowance is made for welding.

Diam.	Circ.	Diam.	Circ.	Diam.	Circ.	Diam.	Circ.	Diam.	Circ.
ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.
5 11	18 7	6 4¼	20 0½	6 10	21 5½	7 3½	22 10⅞	7 9	24 4½
5 11⅛	18 7⅜	6 4⅜	20 0⅝	6 10⅛	21 6	7 3⅝	22 11¼	7 9⅛	24 4⅝
5 11¼	18 7¾	6 4½	20 1	6 10¼	21 6⅛	7 3¾	22 11⅝	7 9¼	24 4⅞
5 11⅜	18 8⅛	6 4⅝	20 1½	6 10⅜	21 6¼	7 3⅞	23 0	7 9⅜	24 5¼
5 11½	18 8½	6 5	20 1⅞	6 10½	21 7⅛	7 4	23 0⅜	7 9½	24 5⅝
5 11⅝	18 9	6 5⅛	20 2¼	6 10⅝	21 7¼	7 4⅛	23 0¾	7 9⅝	24 6⅛
5 11¾	18 9⅜	6 5¼	20 2⅝	6 10¾	21 7⅜	7 4¼	23 1⅛	7 9¾	24 6½
5 11⅞	18 9¾	6 5⅜	20 3	6 10⅞	21 8¼	7 4⅜	23 1⅝	7 9⅞	24 6⅞
6 0	18 10⅛	6 5½	20 3⅜	6 11	21 8⅜	7 4½	23 2	7 10	24 7¼
6 0⅛	18 10½	6 5⅝	20 3¾	6 11⅛	21 9⅛	7 4⅝	23 2⅜	7 10⅛	24 7⅝
6 0¼	18 10⅞	6 5¾	20 4⅛	6 11¼	21 9½	7 4¾	23 2¾	7 10¼	24 8
6 0⅜	18 11¼	6 5⅞	20 4⅝	6 11⅜	21 9⅞	7 4⅞	23 3⅛	7 10⅜	24 8⅜
6 0½	18 11⅝	6 6	20 5	6 11½	21 10¼	7 5	23 3½	7 10½	24 8⅞
6 0⅝	19 0⅛	6 6⅛	20 5⅜	6 11⅝	21 10⅝	7 5⅛	23 3⅞	7 10⅝	24 9¼
6 0¾	19 0½	6 6¼	20 5¾	6 11¾	21 11	7 5¼	23 4⅜	7 10¾	24 9⅝
6 0⅞	19 0⅞	6 6⅜	20 6⅛	6 11⅞	21 11½	7 5⅜	23 4¾	7 10⅞	24 10
6 1	19 1¼	6 6½	20 6½	7 0	21 11⅞	7 5½	23 5¼	7 11	24 10⅜
6 1⅛	19 1⅝	6 6⅝	20 7	7 0⅛	22 0¼	7 5⅝	23 5½	7 11⅛	24 10¾
6 1¼	19 2	6 6¾	20 7⅜	7 0¼	22 0⅝	7 5¾	23 5⅞	7 11¼	24 11⅛
6 1⅜	19 2½	6 6⅞	20 7¾	7 0⅜	22 1	7 5⅞	23 6¼	7 11⅜	24 11½
6 1½	19 2⅞	6 7	20 8¼	7 0½	22 1⅜	7 6	23 6⅝	7 11½	25 0
6 1⅝	19 3¼	6 7⅛	20 8½	7 0⅝	22 1⅞	7 6⅛	23 7⅛	7 11⅝	25 0⅜
6 1¾	19 3⅝	6 7¼	20 8⅞	7 0¾	22 2¼	7 6¼	23 7½	7 11¾	25 0⅞
6 1⅞	19 4	6 7⅜	20 9¼	7 0⅞	22 2⅝	7 6⅜	23 7⅞	7 11⅞	25 1⅜
6 2	19 4⅜	6 7½	20 9⅝	7 1	22 3	7 6½	23 8¼	8 0	25 1½
6 2⅛	19 4¾	6 7⅝	20 10⅛	7 1⅛	22 3⅜	7 6⅝	23 8⅝	8 0⅛	25 1⅞
6 2¼	19 5¼	6 7¾	20 10½	7 1¼	22 3¾	7 6¾	23 9	8 0¼	25 2⅜
6 2⅜	19 5⅝	6 7⅞	20 10⅞	7 1⅜	22 4⅛	7 6⅞	23 9⅜	8 0⅜	25 2¾
6 2½	19 6	6 8	20 11¼	7 1½	22 4½	7 7	23 9⅞	8 0½	25 3⅛
6 2⅝	19 6⅜	6 8⅛	20 11⅝	7 1⅝	22 5	7 7⅛	23 10¼	8 0⅝	25 3½
6 2¾	19 6¾	6 8¼	21 0	7 1¾	22 5⅜	7 7¼	23 10⅝	8 0¾	25 3⅞
6 2⅞	19 7⅛	6 8⅜	21 0½	7 1⅞	22 5¾	7 7⅜	23 11	8 0⅞	25 4¼
6 3	19 7½	6 8½	21 0⅞	7 2	22 6⅛	7 7½	23 11⅜	8 1	25 4⅝
6 3⅛	19 8	6 8⅝	21 1¼	7 2⅛	22 6½	7 7⅝	23 11¾	8 1⅛	25 5⅛
6 3¼	19 8⅜	6 8¾	21 1⅝	7 2¼	22 6⅞	7 7¾	24 0⅛	8 1¼	25 5½
6 3⅜	19 8¾	6 8⅞	21 2	7 2⅜	22 7¼	7 7⅞	24 0⅝	8 1⅜	25 5⅞
6 3½	19 9⅛	6 9	21 2⅜	7 2½	22 7⅝	7 8	24 1	8 1½	25 6¼
6 3⅝	19 9½	6 9⅛	21 2⅞	7 2⅝	22 8⅛	7 8⅛	24 1⅜	8 1⅝	25 6⅝
5 3¾	19 9⅞	6 9¼	21 3¼	7 2¾	22 8½	7 8¼	24 1⅞	8 1¾	25 7
6 3⅞	19 10¼	6 9⅜	21 3⅝	7 2⅞	22 8⅞	7 8⅜	24 2¼	8 1⅞	25 7⅜
6 4	19 10⅝	6 9½	21 4	7 3	22 9¼	7 8½	24 2⅝	8 2	25 7⅞
6 4⅛	19 11¼	6 9⅝	21 4⅜	7 3⅛	22 9⅝	7 8⅝	24 2⅞	8 2⅛	25 8⅜
6 4¼	19 11½	6 9¾	21 4¾	7 3¼	22 10	7 8¾	24 3⅜	8 2¼	25 8⅝
6 4⅜	19 11⅞	6 9⅞	21 5¼	7 3⅜	22 10⅜	7 8⅞	24 3¾	8 2⅜	25 9

Note.—No allowance is made for welding.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
8	2 1/4	25	9 1/8	8	8	27	2 1/8	9	1 1/2	28	8	9	7	30	1 1/4	10	0 1/4	31	6 1/2
8	2 3/8	25	9 3/8	8	8 1/8	27	3	9	1 5/8	28	8 1/8	9	7 1/8	30	1 3/8	10	0 3/8	31	6 3/4
8	2 1/2	25	10 1/8	8	8 1/4	27	3 1/4	9	1 3/4	28	8 1/4	9	7 1/4	30	2	10	0 1/2	31	7 1/4
8	2 5/8	25	10 1/4	8	8 3/8	27	3 3/8	9	1 7/8	28	9 1/4	9	7 3/8	30	2 1/8	10	0 5/8	31	7 5/8
8	3	25	11	8	8 1/2	27	4 1/4	9	2	28	9 1/4	9	7 1/2	30	2 1/4	10	1	31	8 1/4
8	3 1/8	25	11 1/8	8	8 3/8	27	4 3/8	9	2 1/8	28	9 3/4	9	7 5/8	30	3 1/8	10	1 1/4	31	8 1/2
8	3 1/4	25	11 1/4	8	8 3/4	27	5	9	2 1/4	28	10 1/4	9	7 3/4	30	3 1/4	10	1 1/2	31	8 3/4
8	3 3/8	26	0 1/8	8	8 7/8	27	5 1/8	9	2 3/8	28	10 1/8	9	7 7/8	30	4	10	1 1/8	31	9 1/4
8	3 1/2	26	0 1/4	8	9	27	5 1/4	9	2 1/2	28	11 1/4	9	8	30	4 1/8	10	1 1/4	31	9 1/8
8	3 5/8	26	0 3/8	8	9 1/8	27	6 1/4	9	2 5/8	28	11 1/4	9	8 1/8	30	4 1/4	10	1 3/8	31	10
8	3 3/4	26	1	8	9 1/4	27	6 1/8	9	2 3/4	28	11 1/2	9	8 1/4	30	5	10	1 1/2	31	10 1/8
8	3 7/8	26	1 1/8	8	9 3/8	27	7	9	2 7/8	29	0 1/8	9	8 3/8	30	5 1/8	10	1 5/8	31	10 1/4
8	4	26	2 1/8	8	9 1/2	27	7 1/8	9	3	29	0 1/8	9	8 1/2	30	6	10	2	31	11 1/4
8	4 1/8	26	2 1/4	8	9 3/8	27	7 1/4	9	3 1/8	29	1	9	8 3/8	30	6 1/8	10	2 1/4	31	11 1/8
8	4 1/4	26	2 3/8	8	9 3/4	27	8 1/8	9	3 1/4	29	1 1/8	9	8 3/4	30	6 1/8	10	2 1/4	32	0
8	4 3/8	26	3 1/8	8	9 7/8	27	8 1/4	9	3 3/8	29	1 1/8	9	8 7/8	30	7 1/8	10	2 3/8	32	0 1/8
8	4 1/2	26	3 1/8	8	10	27	9	9	3 1/2	29	2 1/4	9	9	30	7 1/4	10	2 1/2	32	0 1/4
8	4 5/8	26	4 1/8	8	10 1/8	27	9 1/8	9	3 5/8	29	2 1/8	9	9 1/8	30	7 3/8	10	2 5/8	32	1 1/8
8	4 3/4	26	4 1/4	8	10 1/4	27	9 1/4	9	3 3/4	29	3	9	9 1/4	30	8 1/8	10	2 3/4	32	1 1/4
8	4 7/8	26	4 3/8	8	10 1/8	27	10 1/8	9	3 7/8	29	3 1/8	9	9 1/8	30	8 1/8	10	2 7/8	32	2
8	5	26	5 1/8	8	10 1/4	27	10 1/4	9	4	29	3 1/4	9	9 1/4	30	9 1/8	10	3	32	2 1/8
8	5 1/8	26	5 1/8	8	10 3/8	27	10 3/8	9	4 1/8	29	4 1/8	9	9 1/8	30	9 1/8	10	3 1/8	32	2 1/8
8	5 1/4	26	6	8	10 1/2	27	11 1/4	9	4 1/4	29	4 1/8	9	9 1/2	30	9 1/8	10	3 1/4	32	3 1/8
8	5 3/8	26	6 1/8	8	10 3/8	27	11 1/8	9	4 3/8	29	5	9	9 1/8	30	10 1/8	10	3 1/8	32	3 1/4
8	5 1/2	26	6 1/8	8	11	28	0 1/8	9	4 1/2	29	5 1/8	9	10	30	10 1/8	10	3 1/4	32	3 1/8
8	5 5/8	26	7 1/8	8	11 1/8	28	0 1/4	9	4 5/8	29	5 1/8	9	10 1/8	30	11	10	3 3/8	32	4 1/8
8	5 3/4	26	7 1/8	8	11 1/8	28	0 3/8	9	4 3/4	29	6 1/8	9	10 1/8	30	11 1/8	10	3 1/2	32	4 1/8
8	5 7/8	26	8	8	11 1/4	28	1 1/8	9	4 7/8	29	6 1/8	9	10 1/8	30	11 7/8	10	3 5/8	32	5 1/8
8	6	26	8 1/8	8	11 1/8	28	1 1/8	9	5	29	7	9	10 1/4	31	0 1/8	10	4	32	5 1/8
8	6 1/8	26	8 3/8	8	11 1/8	28	2	9	5 1/8	29	7 1/8	9	10 1/8	31	0 1/8	10	4 1/8	32	5 1/8
8	6 1/4	26	9 1/8	8	11 1/8	28	2 1/8	9	5 1/4	29	7 1/8	9	10 1/8	31	1	10	4 1/4	32	6 1/8
8	6 3/8	26	9 1/8	8	11 1/8	28	2 1/8	9	5 3/8	29	8 1/8	9	10 1/8	31	1 1/8	10	4 1/8	32	6 1/8
8	6 1/2	26	10	9	0	28	3 1/4	9	5 1/2	29	8 1/8	9	11	31	1 1/8	10	4 1/4	32	7
8	6 5/8	26	10 1/8	9	0 1/8	28	3 1/8	9	5 5/8	29	8 1/8	9	11 1/8	31	2 1/8	10	4 1/8	32	7 1/8
8	6 3/4	26	10 1/8	9	0 1/8	28	4	9	5 1/8	29	9 1/8	9	11 1/8	31	2 1/8	10	4 1/8	32	7 1/8
8	6 7/8	26	11 1/8	9	0 1/8	28	4 1/8	9	5 7/8	29	9 1/8	9	11 1/8	31	3	10	4 1/8	32	8 1/8
8	7	26	11 1/8	9	0 1/8	28	4 1/8	9	6	29	10 1/8	9	11 1/8	31	3 1/8	10	5	32	8 1/8
8	7 1/8	26	11 7/8	9	0 1/8	28	5 1/8	9	6 1/8	29	10 1/8	9	11 1/8	31	3 1/8	10	5 1/8	32	9
8	7 1/4	27	0 1/8	9	0 1/8	28	5 1/8	9	6 1/8	29	10 1/8	9	11 1/8	31	4 1/8	10	5 1/8	32	9 1/8
8	7 3/8	27	0 1/8	9	0 1/8	28	6	9	6 1/8	29	11 1/8	9	11 1/8	31	4 1/8	10	5 1/8	32	9 1/8
8	7 1/2	27	1 1/8	9	1	28	6 1/8	9	6 1/8	29	11 1/8	10	0	31	4 7/8	10	5 1/8	32	10 1/8
8	7 5/8	27	1 1/8	9	1 1/8	28	6 1/8	9	6 1/8	30	0	10	0 1/8	31	5 1/8	10	5 1/8	32	10 1/8
8	7 3/4	27	1 1/8	9	1 1/4	28	7 1/8	9	6 1/8	30	0 1/8	10	0 1/4	31	5 1/8	10	5 1/8	32	11
8	7 7/8	27	2 1/8	9	1 1/8	28	7 1/8	9	6 7/8	30	0 1/8	10	0 3/8	31	6 1/8	10	5 1/8	32	11 1/8

Note.—No allowance is made for welding.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
10	6	32	11 3/8	10	11 1/4	34	5	11	5	35	10 3/8	11	10 3/8	37	3 3/8	12	4	38	8 7/8
10	6 1/8	33	0 3/8	10	11 3/8	34	5 1/8	11	5 1/8	35	10 1/2	11	10 1/2	37	4	12	4 1/8	38	9 1/8
10	6 1/8	33	0 1/2	10	11 1/2	34	5 1/4	11	5 1/4	35	10 5/8	11	10 5/8	37	4 1/8	12	4 1/4	38	9 1/4
10	6 3/8	33	1	10	11 5/8	34	5 3/8	11	5 3/8	35	10 3/4	11	10 3/4	37	4 1/4	12	4 3/8	38	9 3/8
10	6 1/2	33	1 3/8	10	11 3/4	34	5 1/2	11	5 1/2	35	10 7/8	11	10 7/8	37	4 3/8	12	4 1/2	38	9 1/2
10	6 5/8	33	1 3/4	10	11 7/8	34	5 5/8	11	5 5/8	35	11	11	11	37	4 1/2	12	4 5/8	38	9 5/8
10	6 3/4	33	2 1/8	11	0	34	5 3/4	11	5 3/4	35	11 1/8	11	11 1/8	37	4 5/8	12	4 3/4	38	9 3/4
10	6 7/8	33	2 1/2	11	0 1/8	34	5 7/8	11	5 7/8	35	11 1/4	11	11 1/4	37	4 3/4	12	4 7/8	38	9 7/8
10	7	33	2 7/8	11	0 1/4	34	6	11	6	35	11 3/8	11	11 3/8	37	4 7/8	12	5	39	0
10	7 1/8	33	3 1/4	11	0 3/8	34	6 1/8	11	6 1/8	35	11 1/2	11	11 1/2	37	5	12	5 1/8	39	0 1/8
10	7 1/4	33	3 5/8	11	0 1/2	34	6 1/4	11	6 1/4	35	11 5/8	11	11 5/8	37	5 1/8	12	5 1/4	39	0 1/4
10	7 3/8	33	4	11	0 5/8	34	6 3/8	11	6 3/8	35	11 3/4	11	11 3/4	37	5 1/4	12	5 3/8	39	0 3/8
10	7 1/2	33	4 3/8	11	0 3/4	34	6 1/2	11	6 1/2	35	11 7/8	11	11 7/8	37	5 3/8	12	5 1/2	39	0 1/2
10	7 5/8	33	4 3/4	11	0 7/8	34	6 5/8	11	6 5/8	35	12	12	0	37	5 1/2	12	5 5/8	39	0 5/8
10	7 3/4	33	5 1/8	11	1	34	6 3/4	11	6 3/4	35	12 1/8	12	0 1/8	37	5 5/8	12	5 3/4	39	0 3/4
10	7 7/8	33	5 1/2	11	1 1/8	34	6 7/8	11	6 7/8	35	12 1/4	12	0 1/4	37	5 3/4	12	5 7/8	39	0 7/8
10	8	33	5 7/8	11	1 1/4	34	7	11	7	35	12 3/8	12	0 3/8	37	5 7/8	12	6	39	1
10	8 1/8	33	6 1/4	11	1 3/8	34	7 1/8	11	7 1/8	35	12 1/2	12	0 1/2	37	6	12	6 1/8	39	1 1/8
10	8 1/4	33	6 5/8	11	1 1/2	34	7 1/4	11	7 1/4	35	12 5/8	12	0 5/8	37	6 1/8	12	6 1/4	39	1 1/4
10	8 3/8	33	7	11	1 5/8	34	7 3/8	11	7 3/8	35	12 3/4	12	0 3/4	37	6 1/4	12	6 3/8	39	1 3/8
10	8 1/2	33	7 3/8	11	1 3/4	34	7 1/2	11	7 1/2	35	12 7/8	12	0 7/8	37	6 3/8	12	6 1/2	39	1 1/2
10	8 5/8	33	7 3/4	11	1 7/8	34	7 5/8	11	7 5/8	35	13	12	1	37	6 1/2	12	6 5/8	39	1 5/8
10	8 3/4	33	8 1/8	11	2	34	7 3/4	11	7 3/4	35	13 1/8	12	1 1/8	37	6 5/8	12	6 3/4	39	1 3/4
10	8 7/8	33	8 1/2	11	2 1/8	34	7 7/8	11	7 7/8	35	13 1/4	12	1 1/4	37	6 3/4	12	6 7/8	39	1 7/8
10	9	33	8 7/8	11	2 1/4	34	8	11	8	35	13 3/8	12	1 3/8	37	6 7/8	12	7	39	2
10	9 1/8	33	9 1/4	11	2 3/8	34	8 1/8	11	8 1/8	35	13 1/2	12	1 1/2	37	7	12	7 1/8	39	2 1/8
10	9 1/4	33	9 5/8	11	2 1/2	34	8 1/4	11	8 1/4	35	13 5/8	12	1 5/8	37	7 1/8	12	7 1/4	39	2 1/4
10	9 3/8	33	10	11	2 5/8	34	8 3/8	11	8 3/8	35	13 3/4	12	1 3/4	37	7 1/4	12	7 3/8	39	2 3/8
10	9 1/2	33	10 1/8	11	2 3/4	34	8 1/2	11	8 1/2	35	13 7/8	12	1 7/8	37	7 3/8	12	7 1/2	39	2 1/2
10	9 5/8	33	10 1/2	11	2 7/8	34	8 5/8	11	8 5/8	35	14	12	2	37	7 1/2	12	7 5/8	39	2 5/8
10	9 3/4	33	10 5/8	11	3	34	8 3/4	11	8 3/4	35	14 1/8	12	2 1/8	37	7 5/8	12	7 3/4	39	2 3/4
10	9 7/8	33	10 3/4	11	3 1/8	34	8 7/8	11	8 7/8	35	14 1/4	12	2 1/4	37	7 3/4	12	7 7/8	39	2 7/8
10	10	33	10 7/8	11	3 1/4	34	9	11	9	35	14 3/8	12	2 3/8	37	7 7/8	12	8	39	2 7/8
10	10 1/8	33	11 1/4	11	3 3/8	34	9 1/8	11	9 1/8	35	14 1/2	12	2 1/2	37	8	12	8 1/8	39	2 7/8
10	10 1/4	33	11 5/8	11	3 1/2	34	9 1/4	11	9 1/4	35	14 5/8	12	2 5/8	37	8 1/8	12	8 1/4	39	2 7/8
10	10 3/8	34	0	11	3 5/8	34	9 3/8	11	9 3/8	35	14 3/4	12	2 3/4	37	8 1/4	12	8 3/8	39	2 7/8
10	10 1/2	34	0 3/8	11	3 3/4	34	9 1/2	11	9 1/2	35	14 7/8	12	2 7/8	37	8 3/8	12	8 1/2	39	2 7/8
10	10 5/8	34	0 3/4	11	3 7/8	34	9 5/8	11	9 5/8	35	15	12	3	37	8 1/2	12	8 5/8	39	2 7/8
10	10 3/4	34	1 1/8	11	4	34	9 3/4	11	9 3/4	35	15 1/8	12	3 1/8	37	8 5/8	12	8 3/4	39	2 7/8
10	10 7/8	34	1 1/2	11	4 1/8	34	9 7/8	11	9 7/8	35	15 1/4	12	3 1/4	37	8 3/4	12	8 7/8	39	2 7/8
10	11	34	1 7/8	11	4 1/4	34	10	11	10	35	15 3/8	12	3 3/8	37	8 7/8	12	9	39	2 7/8
10	11 1/8	34	2 1/4	11	4 3/8	34	10 1/8	11	10 1/8	35	15 1/2	12	3 1/2	37	9	12	9 1/8	39	2 7/8
10	11 1/4	34	2 5/8	11	4 1/2	34	10 1/4	11	10 1/4	35	15 5/8	12	3 5/8	37	9 1/8	12	9 1/4	39	2 7/8
10	11 3/8	34	3	11	4 5/8	34	10 3/8	11	10 3/8	35	15 3/4	12	3 3/4	37	9 1/4	12	9 3/8	39	2 7/8
10	11 1/2	34	3 3/8	11	4 3/4	34	10 1/2	11	10 1/2	35	15 7/8	12	3 7/8	37	9 3/8	12	9 1/2	39	2 7/8
10	11 5/8	34	3 3/4	11	4 7/8	34	10 5/8	11	10 5/8	35	16	12	4	37	9 1/2	12	9 5/8	39	2 7/8
10	11 3/4	34	4 1/8	11	5	34	10 3/4	11	10 3/4	35	16 1/8	12	4 1/8	37	9 5/8	12	9 3/4	39	2 7/8
10	11 7/8	34	4 1/2	11	5 1/8	34	10 7/8	11	10 7/8	35	16 1/4	12	4 1/4	37	9 3/4	12	9 7/8	39	2 7/8
10	12	34	4 7/8	11	5 1/4	34	11	11	11	35	16 3/8	12	4 3/8	37	9 7/8	12	10	39	2 7/8

Note.—No allowance is made for welding.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
12	9 1/4	40	2 1/8	13	3	41	7 1/4	13	8 1/4	43	0 3/8	14	2	44	6	14	7 1/4	45	11 1/4
12	9 3/8	40	2 3/8	13	3 1/8	41	7 3/8	13	8 3/8	43	1 1/8	14	2 1/8	44	6 1/8	14	7 3/8	45	11 3/8
12	9 1/2	40	3	13	3 1/4	41	8 1/4	13	8 1/2	43	1 1/4	14	2 1/4	44	6 1/4	14	7 1/2	46	0 1/8
12	9 5/8	40	3 3/8	13	3 3/8	41	8 3/8	13	8 5/8	43	1 3/8	14	2 3/8	44	7 1/4	14	7 3/8	46	0 1/4
12	10	40	3 1/2	13	3 1/2	41	9	13	9	43	2 1/4	14	2 1/2	44	7 3/8	14	8	46	0 3/8
12	10 1/8	40	4 1/8	13	3 3/8	41	9 3/8	13	9 1/8	43	2 3/8	14	2 3/8	44	8	14	8 1/8	46	1 1/4
12	10 1/4	40	4 1/4	13	3 1/2	41	9 1/2	13	9 1/4	43	3 1/8	14	2 1/2	44	8 1/8	14	8 1/4	46	1 3/8
12	10 3/8	40	4 3/8	13	3 3/4	41	10 1/8	13	9 3/8	43	3 1/4	14	2 3/4	44	8 1/4	14	8 3/8	46	2
12	10 1/2	40	5 1/8	13	4	41	10 3/8	13	9 1/2	43	3 3/8	14	3	44	9 1/8	14	8 1/2	46	2 3/8
12	10 5/8	40	5 3/8	13	4 1/8	41	11	13	9 5/8	43	4 1/4	14	3 1/8	44	9 1/4	14	8 5/8	46	2 7/8
12	10 3/4	40	6 1/8	13	4 1/4	41	11 1/8	13	9 3/4	43	4 3/8	14	3 1/4	44	9 3/8	14	8 3/4	46	3 1/4
12	10 7/8	40	6 1/4	13	4 3/8	41	11 1/4	13	9 7/8	43	5	14	3 3/8	44	10 1/8	14	8 7/8	46	3 3/8
12	11	40	6 3/8	13	4 1/2	42	0 1/8	13	10	43	5 1/8	14	3 1/2	44	10 1/4	14	9	46	4
12	11 1/8	40	7 1/8	13	4 5/8	42	0 1/4	13	10 1/8	43	5 3/8	14	3 5/8	44	11 1/8	14	9 1/8	46	4 3/8
12	11 1/4	40	7 3/8	13	4 3/4	42	1	13	10 1/4	43	6 1/8	14	3 3/4	44	11 1/4	14	9 1/4	46	4 7/8
12	11 3/8	40	8 1/8	13	4 7/8	42	1 1/8	13	10 3/8	43	6 1/8	14	3 7/8	44	11 3/8	14	9 3/8	46	5 1/4
12	11 1/2	40	8 1/4	13	5	42	1 1/4	13	10 1/2	43	7	14	4	45	0 1/4	14	9 1/2	46	5 5/8
12	11 5/8	40	8 7/8	13	5 1/8	42	2 1/8	13	10 5/8	43	7 1/8	14	4 1/8	45	0 3/8	14	9 3/8	46	6
12	11 3/4	40	9 1/4	13	5 1/4	42	2 1/4	13	10 3/4	43	7 1/4	14	4 1/4	45	1 1/8	14	9 1/4	46	6 3/8
12	11 7/8	40	9 3/8	13	5 3/8	42	2 3/8	13	10 7/8	43	8 1/4	14	4 3/8	45	1 1/4	14	9 3/8	46	6 3/4
13	0	40	10	13	5 1/2	42	3 1/4	13	11	43	8 3/8	14	4 1/2	45	1 3/8	14	10	46	7 1/8
13	0 1/8	40	10 3/8	13	5 5/8	42	3 3/8	13	11 1/8	43	9	14	4 5/8	45	2 1/4	14	10 1/8	46	7 1/2
13	0 1/4	40	10 7/8	13	5 3/4	42	4 1/8	13	11 1/4	43	9 3/8	14	4 3/4	45	2 3/8	14	10 1/4	46	7 7/8
13	0 3/8	40	11 1/8	13	5 7/8	42	4 1/4	13	11 3/8	43	9 1/2	14	4 7/8	45	3	14	10 3/8	46	8 1/8
13	0 1/2	40	11 3/8	13	6	42	4 3/8	13	11 1/2	43	10 1/8	14	5	45	3 1/8	14	10 1/2	46	8 3/4
13	0 5/8	41	0	13	6 1/8	42	5 1/8	13	11 5/8	43	10 3/8	14	5 1/8	45	3 3/8	14	10 5/8	46	9 1/8
13	0 3/4	41	0 3/8	13	6 1/4	42	5 3/8	13	11 3/4	43	11	14	5 1/4	45	4 1/4	14	10 3/4	46	9 1/2
13	0 7/8	41	0 3/8	13	6 3/8	42	6	13	11 7/8	43	11 3/8	14	5 3/8	45	4 3/8	14	10 7/8	46	9 7/8
13	1	41	1 1/8	13	6 1/2	42	6 1/8	14	0	43	11 3/4	14	5 1/2	45	5	14	11	46	10 1/4
13	1 1/8	41	1 1/8	13	6 5/8	42	6 3/8	14	0 1/8	44	0 1/8	14	5 5/8	45	5 1/8	14	11 1/8	46	10 5/8
13	1 1/4	41	2	13	6 3/4	42	7 1/4	14	0 1/4	44	0 1/4	14	5 3/4	45	5 1/4	14	11 1/4	46	11
13	1 3/8	41	2 1/8	13	6 7/8	42	7 3/8	14	0 3/8	44	0 7/8	14	5 7/8	45	6 1/8	14	11 3/8	46	11 1/2
13	1 1/2	41	2 3/8	13	7	42	8	14	0 1/2	44	1 1/4	14	6	45	6 3/8	14	11 1/2	46	11 7/8
13	1 5/8	41	3 1/8	13	7 1/8	42	8 1/8	14	0 5/8	44	1 3/8	14	6 1/8	45	7	14	11 5/8	47	0 1/4
13	1 3/4	41	3 1/8	13	7 1/4	42	8 3/8	14	0 3/4	44	2 1/8	14	6 1/4	45	7 1/8	14	11 3/4	47	0 5/8
13	1 7/8	41	3 7/8	13	7 3/8	42	9 1/4	14	0 7/8	44	2 1/2	14	6 3/8	45	7 3/8	14	11 7/8	47	1
13	2	41	4 1/4	13	7 1/2	42	9 3/8	14	1	44	2 7/8	14	6 1/2	45	8 1/8	15	0	47	1 1/4
13	2 1/8	41	4 3/8	13	7 5/8	42	10	14	1 1/8	44	3 1/4	14	6 3/8	45	8 1/4	15	0 1/8	47	1 7/8
13	2 1/4	41	5 1/8	13	7 3/4	42	10 3/8	14	1 1/4	44	3 3/8	14	6 3/4	45	9	15	0 1/4	47	2 1/4
13	2 3/8	41	5 1/8	13	7 7/8	42	10 3/8	14	1 3/8	44	4	14	6 7/8	45	9 1/8	15	0 3/8	47	2 5/8
13	2 1/2	41	5 7/8	13	8	42	11 1/8	14	1 1/2	44	4 1/4	14	7	45	9 1/4	15	0 1/2	47	3
13	2 5/8	41	6 1/8	13	8 1/8	42	11 1/8	14	1 5/8	44	4 7/8	14	7 1/8	45	10 1/8	15	0 5/8	47	3 3/8
13	2 3/4	41	6 3/8	13	8 1/4	43	0	14	1 3/4	44	5 1/8	14	7 1/4	45	10 1/8	15	0 3/4	47	3 3/4
13	2 7/8	41	7	13	8 3/8	43	0 1/8	14	1 7/8	44	5 3/8	14	7 3/8	45	10 1/4	15	0 7/8	47	4 1/8

Note,—No allowance is made for welding.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft,	in.
15	1	47	4 3/8	15	6 1/4	48	9 7/16	16	0	50	3 1/8	16	5 1/4	51	8 3/16	16	11	53	1 5/8
15	1 1/8	47	5	15	6 3/8	48	10 1/16	16	0 1/8	50	3 1/4	16	5 5/16	51	8 5/16	16	11 1/8	53	2
15	1 1/4	47	5 3/16	15	6 3/4	48	10 5/16	16	0 1/4	50	3 7/16	16	5 3/8	51	9 1/16	16	11 1/4	53	2 1/16
15	1 3/8	47	5 3/8	15	6 7/8	48	11	16	0 5/16	50	3 1/2	16	5 7/16	51	9 1/8	16	11 5/16	53	2 1/8
15	1 1/2	47	6 1/16	15	7	48	11 3/16	16	0 3/8	50	4 1/16	16	6	51	10	16	11 3/8	53	3 1/16
15	1 5/8	47	6 1/8	15	7 1/8	48	11 5/16	16	0 7/16	50	5 1/16	16	6 1/16	51	10 1/16	16	11 7/16	53	3 1/8
15	1 3/4	47	6 7/16	15	7 1/4	49	0 1/16	16	0 1/2	50	5 1/8	16	6 1/4	51	10 1/8	16	11 1/2	53	4
15	1 7/8	47	7 1/16	15	7 3/8	49	0 3/16	16	0 7/16	50	5 7/16	16	6 5/16	51	11 1/16	16	11 7/16	53	4 1/16
15	2	47	7 1/8	15	7 1/2	49	1	16	1	50	6 1/16	16	6 1/4	51	11 1/8	17	0	53	4 1/8
15	2 1/8	47	8 1/16	15	7 5/8	49	1 3/16	16	1 1/16	50	6 3/16	16	6 3/8	52	0	17	0 1/16	53	5 1/16
15	2 1/4	47	8 1/8	15	7 3/4	49	1 5/16	16	1 1/8	50	7	16	6 3/8	52	0 1/16	17	0 1/8	53	5 1/8
15	2 3/8	47	8 7/16	15	7 7/8	49	2 1/16	16	1 3/16	50	7 1/16	16	6 7/16	52	0 1/8	17	0 3/16	53	6
15	2 1/2	47	9 1/16	15	8	49	2 1/8	16	1 1/4	50	7 7/16	16	7	52	1 1/16	17	0 1/4	53	6 1/16
15	2 5/8	47	9 3/16	15	8 1/8	49	3	16	1 3/8	50	8 1/16	16	7 1/16	52	1 1/8	17	0 5/16	53	6 1/8
15	2 3/4	47	10 1/16	15	8 1/4	49	3 1/16	16	1 7/16	50	8 3/16	16	7 1/4	52	1 3/16	17	0 3/8	53	7 1/16
15	2 7/8	47	10 1/8	15	8 3/8	49	3 1/8	16	1 1/2	50	9	16	7 5/16	52	2 1/16	17	0 7/16	53	7 1/8
15	3	47	10 7/16	15	8 1/2	49	4 1/16	16	2	50	9 1/16	16	7 3/8	52	2 1/8	17	1	53	8
15	3 1/8	47	11 1/16	15	8 5/8	49	4 1/8	16	2 1/16	50	9 1/8	16	7 7/16	52	3 1/16	17	1 1/8	53	8 1/16
15	3 1/4	47	11 3/16	15	8 3/4	49	4 3/16	16	2 1/8	50	9 3/16	16	7 1/2	52	3 1/8	17	1 1/4	53	8 1/8
15	3 3/8	48	0	15	8 7/8	49	5 1/16	16	2 3/16	50	10 1/16	16	7 7/16	52	3 3/16	17	1 5/16	53	9 1/16
15	3 1/4	48	0 1/16	15	9	49	5 1/8	16	2 1/4	50	11	16	8	52	4 1/16	17	1 3/8	53	9 1/8
15	3 3/8	48	0 7/16	15	9 1/8	49	6 1/16	16	2 5/16	50	11 3/16	16	8 1/16	52	4 1/8	17	1 7/16	53	10
15	3 1/2	48	1 1/16	15	9 1/4	49	6 1/8	16	2 3/8	50	11 1/4	16	8 1/8	52	5	17	1 1/2	53	10 1/16
15	3 5/8	48	1 1/8	15	9 3/8	49	6 3/16	16	2 7/16	51	0 1/16	16	8 3/16	52	5 1/16	17	1 5/8	53	10 1/8
15	4	48	2	15	9 1/2	49	7 1/16	16	3	51	0 1/8	16	8 1/8	52	5 1/8	17	2	53	11 1/16
15	4 1/8	48	2 1/16	15	9 5/8	49	7 1/8	16	3 1/16	51	1	16	8 1/8	52	6 1/16	17	2 1/8	53	11 1/8
15	4 1/4	48	2 1/8	15	9 3/4	49	8	16	3 1/8	51	1 1/16	16	8 1/4	52	6 1/8	17	2 1/4	53	11 3/16
15	4 3/8	48	3 1/16	15	9 7/8	49	8 1/16	16	3 3/16	51	1 1/8	16	8 5/16	52	7	17	2 5/16	54	0 1/16
15	4 1/2	48	3 1/8	15	10	49	8 1/8	16	3 1/4	51	1 3/16	16	9	52	7 1/16	17	2 1/4	54	0 1/8
15	4 5/8	48	4	15	10 1/8	49	9 1/16	16	3 3/8	51	1 1/4	16	9 1/16	52	7 1/8	17	2 3/8	54	1 1/16
15	4 3/4	48	4 3/16	15	10 1/4	49	9 1/8	16	3 1/2	51	1 5/16	16	9 1/4	52	8 1/16	17	2 1/2	54	1 1/8
15	4 7/8	48	4 1/8	15	10 3/8	49	10 1/16	16	3 7/16	51	1 3/8	16	9 5/16	52	8 1/8	17	2 7/8	54	1 7/16
15	5	48	5 1/16	15	10 1/2	49	10 1/8	16	4	51	1 3/8	16	9 1/2	52	9	17	3	54	2 1/4
15	5 1/8	48	5 1/8	15	10 5/8	49	10 5/16	16	4 1/16	51	1 7/16	16	9 5/8	52	9 1/16	17	3 1/16	54	2 5/16
15	5 1/4	48	5 5/16	15	10 3/4	49	11 1/16	16	4 1/8	51	1 1/2	16	9 3/4	52	9 1/8	17	3 1/8	54	3
15	5 3/8	48	6 1/16	15	10 7/8	49	11 1/8	16	4 3/16	51	1 7/16	16	9 7/8	52	10 1/16	17	3 3/16	54	3 1/8
15	5 1/2	48	6 1/8	15	11	50	0	16	4 1/4	51	1 1/16	16	10	52	10 1/8	17	3 1/4	54	3 5/16
15	5 5/8	48	7 1/16	15	11 1/16	50	0 1/16	16	4 3/8	51	1 5/8	16	10 1/16	52	11	17	3 3/8	54	4 1/16
15	5 3/4	48	7 1/8	15	11 1/8	50	0 7/16	16	4 3/4	51	1 3/4	16	10 1/8	52	11 1/16	17	3 7/16	54	4 1/8
15	5 7/8	48	7 7/16	15	11 5/16	50	1 1/16	16	4 7/16	51	1 7/8	16	10 3/16	52	11 1/8	17	3 7/8	54	4 3/16
15	6	48	8 1/4	15	11 1/4	50	1 1/8	16	5	51	1 7/8	16	10 1/4	53	0 1/16	17	4	54	4 5/16
15	6 1/8	48	8 5/16	15	11 3/8	50	2	16	5 1/16	51	1 7/8	16	10 3/8	53	0 1/8	17	4 1/16	54	4 3/8
15	6 1/4	48	9	15	11 1/2	50	2 1/16	16	5 1/4	51	1 7/8	16	10 3/8	53	0 1/16	17	4 1/4	54	4 7/16
15	6 3/8	48	9 1/16	15	11 7/16	50	2 1/8	16	5 5/16	51	8	16	10 7/16	53	1 1/16	17	4 3/16	54	4 1/2

Note.—No allowance is made for welding.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
17	4 1/4	54	7	17	10	56	0 1/4	18	3 1/4	57	5 1/4	18	9	58	10	19	2 1/4	60	4 3/8
17	4 3/8	54	7 3/8	17	10 1/8	56	0 3/8	18	3 3/8	57	5 3/8	18	9 1/8	58	11	19	2 3/8	60	4 1/2
17	4 3/8	54	7 3/8	17	10 1/4	56	1	18	3 3/8	57	6 3/8	18	9 1/4	58	11 1/8	19	2 3/8	60	4 5/8
17	4 7/8	54	8 1/8	17	10 3/8	56	1 1/8	18	3 7/8	57	6 3/4	18	9 3/8	59	0	19	2 7/8	60	5 1/4
17	5	54	8 1/4	17	10 1/2	56	1 3/8	18	4	57	7 1/8	18	9 1/2	59	0 1/8	19	3	60	5 3/8
17	5 1/8	54	8 3/8	17	10 3/8	56	2 1/4	18	4 1/8	57	7 1/4	18	9 5/8	59	0 1/4	19	3 1/8	60	6
17	5 1/4	54	8 3/8	17	10 3/4	56	2 3/8	18	4 1/4	57	7 3/8	18	9 3/4	59	1/8	19	3 1/4	60	6 1/8
17	5 3/8	54	9	17	10 7/8	56	3	18	4 3/8	57	8 1/4	18	9 7/8	59	1/4	19	3 3/8	60	6 7/8
17	5 1/2	54	9 1/8	17	11	56	3 1/8	18	4 1/2	57	8 3/8	18	10	59	2	19	3 1/2	60	7 1/4
17	5 5/8	54	10 1/8	17	11 1/8	56	3 3/8	18	4 5/8	57	9	18	10 1/8	59	2 1/8	19	3 5/8	60	7 3/8
17	5 3/4	54	10 1/4	17	11 1/4	56	4 1/8	18	4 3/4	57	9 1/8	18	10 1/4	59	2 1/4	19	3 3/4	60	8
17	5 7/8	54	10 3/8	17	11 3/8	56	4 1/4	18	4 7/8	57	9 1/4	18	10 3/8	59	3 1/8	19	3 7/8	60	8 3/8
17	6	54	11 1/8	17	11 1/2	56	5	18	5	57	10 1/4	18	10 1/2	59	3 1/4	19	4	60	8 1/2
17	6 1/8	55	0 1/8	17	11 5/8	56	5 1/8	18	5 1/8	57	10 3/8	18	10 5/8	59	3 3/8	19	4 1/8	60	9 1/8
17	6 1/4	55	0 1/4	17	11 3/4	56	5 3/8	18	5 1/4	57	11	18	10 3/4	59	4 1/4	19	4 1/4	60	9 1/2
17	6 3/8	55	0 3/8	17	11 7/8	56	6 1/8	18	5 3/8	57	11 1/8	18	10 7/8	59	4 3/8	19	4 3/8	60	10
17	6 1/4	55	1 1/4	18	0	56	6 1/4	18	5 1/2	57	11 3/8	18	11	59	5 1/8	19	4 1/4	60	10 1/8
17	6 5/8	55	1 3/8	18	0 1/8	56	6 3/8	18	5 5/8	58	0 1/4	18	11 1/8	59	5 1/4	19	4 5/8	60	10 3/4
17	6 3/4	55	2	18	0 1/4	56	7 1/8	18	5 3/4	58	0 3/8	18	11 1/4	59	5 3/8	19	4 3/4	60	11 1/8
17	6 7/8	55	2 1/8	18	0 3/8	56	7 3/8	18	5 7/8	58	1	18	11 3/8	59	6 1/4	19	4 7/8	60	11 1/4
17	7	55	2 1/8	18	0 1/4	56	8 1/8	18	6	58	1 1/8	18	11 1/2	59	6 3/8	19	5	60	11 7/8
17	7 1/8	55	3 1/4	18	0 5/8	56	8 1/4	18	6 1/8	58	1 3/8	18	11 5/8	59	7	19	5 1/8	61	0 1/4
17	7 1/4	55	3 3/8	18	0 3/4	56	8 7/8	18	6 1/4	58	2 1/8	18	11 3/4	59	7 1/8	19	5 1/4	61	0 3/4
17	7 3/8	55	4	18	0 7/8	56	9 1/4	18	6 3/8	58	2 1/4	18	11 7/8	59	7 3/8	19	5 3/8	61	1 3/8
17	7 1/2	55	4 3/8	18	1	56	9 3/8	18	6 1/2	58	3	19	0	59	7 3/4	19	5 1/2	61	1 1/8
17	7 5/8	55	4 3/8	18	1 1/8	56	10	18	6 5/8	58	3 1/8	19	0 1/8	59	8 1/8	19	5 5/8	61	1 7/8
17	7 3/4	55	5 1/8	18	1 1/4	56	10 1/4	18	6 3/4	58	3 3/8	19	0 1/4	59	8 1/2	19	5 3/4	61	2 1/4
17	7 7/8	55	5 1/4	18	1 3/8	56	10 1/2	18	6 7/8	58	4 1/8	19	0 3/8	59	8 7/8	19	5 7/8	61	2 3/8
17	8	55	6	18	1 1/4	56	11 1/4	18	7	58	4 1/4	19	0 1/2	59	9 1/4	19	6	61	3 1/8
17	8 1/8	55	6 1/8	18	1 5/8	56	11 3/8	18	7 1/8	58	4 3/8	19	0 5/8	59	10 1/8	19	6 1/8	61	3 1/4
17	8 1/4	55	6 1/4	18	1 3/4	57	0	18	7 1/4	58	5 1/4	19	0 3/4	59	10 1/2	19	6 1/4	61	3 7/8
17	8 3/8	55	7 1/8	18	1 7/8	57	0 1/8	18	7 3/8	58	5 3/8	19	0 7/8	59	11	19	6 3/8	61	4 1/8
17	8 1/4	55	7 1/4	18	2	57	0 1/4	18	7 1/4	58	6 1/8	19	1	59	11 1/8	19	6 1/4	61	4 5/8
17	8 5/8	55	7 3/8	18	2 1/8	57	1 1/4	18	7 5/8	58	6 1/4	19	1 1/8	59	11 1/4	19	6 5/8	61	5
17	8 3/4	55	8 1/8	18	2 1/4	57	1 3/8	18	7 3/4	58	6 3/4	19	1 1/4	60	0	19	6 3/4	61	5 1/4
17	8 7/8	55	8 1/4	18	2 3/8	57	2	18	7 7/8	58	7 1/4	19	1 3/8	60	0 1/4	19	6 7/8	61	5 7/8
17	9	55	9 1/8	18	2 1/2	57	2 1/8	18	8	58	7 3/8	19	1 1/2	60	1	19	7	61	6 1/4
17	9 1/8	55	9 1/4	18	2 5/8	57	2 1/4	18	8 1/8	58	8	19	1 5/8	60	1 1/8	19	7 1/8	61	6 5/8
17	9 1/4	55	9 3/8	18	2 3/4	57	3 1/8	18	8 1/4	58	8 1/4	19	1 3/4	60	1 1/4	19	7 1/4	61	7
17	9 3/8	55	10 1/8	18	2 7/8	57	3 1/4	18	8 3/8	58	8 1/2	19	1 7/8	60	2 1/8	19	7 3/8	61	7 3/8
17	9 1/4	55	10 1/4	18	3	57	4	18	8 1/4	58	9 1/4	19	2	60	2 1/4	19	7 1/4	61	7 3/4
17	9 5/8	55	11 1/8	18	3 1/8	57	4 3/8	18	8 3/8	58	9 3/8	19	2 1/8	60	2 3/8	19	7 3/8	61	8 1/8
17	9 3/4	55	11 1/4	18	3 1/4	57	4 3/8	18	8 1/4	58	10	19	2 1/4	60	3 1/4	19	7 1/4	61	8 1/4
17	9 7/8	55	11 3/8	18	3 3/8	57	5 1/8	18	8 3/8	58	10 1/8	19	2 3/8	60	3 3/8	19	7 3/8	61	9

Note.—No allowance is made for welding.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
19	8	61	9 3/16	19	10 1/8	62	5 5/16	20	1 1/4	63	1 7/16	20	3 1/8	63	10	20	6 1/4	64	6 3/16
19	8 1/8	61	9 1/4	19	10 1/4	62	6	20	1 5/16	63	2 1/8	20	4	63	10 3/16	20	6 5/16	64	6 1/4
19	8 1/4	61	10 1/8	19	10 3/8	62	6 1/16	20	1 1/4	63	2 1/4	20	4 1/8	63	10 1/4	20	6 1/4	64	7 1/8
19	8 3/16	61	10 1/4	19	11	62	6 1/4	20	1 5/16	63	2 5/16	20	4 1/4	63	11 1/4	20	6 7/16	46	7 1/4
19	8 1/4	61	11	19	11 1/8	62	7 1/8	20	1 1/2	63	3 1/16	20	4 3/16	63	11 5/16	20	7	64	8
19	8 5/16	61	11 3/16	19	11 1/4	62	7 1/4	20	1 7/16	63	3 1/8	20	4 1/4	64	0	20	7 1/16	64	8 1/16
19	8 1/2	61	11 1/4	19	11 3/8	62	8	20	2	63	4 1/4	20	4 5/16	64	0 3/16	20	7 1/4	64	8 1/4
19	8 7/16	62	0 1/8	19	11 1/4	62	8 1/16	20	2 1/16	63	4 5/16	20	4 3/8	64	0 1/4	20	7 5/16	64	9 1/16
19	9	62	0 1/4	19	11 5/16	62	8 1/4	20	2 1/4	63	5	20	4 7/8	64	1 1/8	20	7 1/2	64	9 1/4
19	9 1/8	62	0 7/16	19	11 3/4	62	9 1/8	20	2 3/8	63	5 1/16	20	5	64	1 5/16	20	7 5/8	64	9 7/16
19	9 1/4	62	1 1/4	19	11 7/16	62	9 1/4	20	2 1/4	63	5 1/8	20	5 1/8	64	2	20	7 3/4	64	10 1/16
19	9 3/8	62	1 1/8	20	0	62	9 7/16	20	2 3/8	63	6 1/16	20	5 1/4	64	2 3/16	20	7 7/16	64	10 5/16
19	9 1/2	62	2 1/16	20	0 1/8	62	10 1/16	20	2 1/2	63	6 1/8	20	5 3/16	64	2 1/8	20	8	64	11
19	9 5/8	62	2 1/4	20	0 1/4	62	10 1/4	20	2 5/8	63	6 1/4	20	5 1/4	64	3 1/16	20	8 1/16	64	11 1/8
19	9 3/4	62	2 7/16	20	0 5/16	62	11 1/8	20	3	63	7 1/16	20	5 5/16	64	3 1/8	20	8 1/8	64	11 7/16
19	9 7/8	62	3 1/16	20	0 1/2	62	11 1/4	20	3 1/8	63	7 1/8	20	5 3/8	64	3 7/16	20	8 1/8	65	0 1/16
19	10	62	3 1/8	20	0 5/16	62	11 7/16	20	3 1/4	63	8	20	5 7/8	64	4 1/16	20	8 1/4	65	0 1/8
19	10 1/16	62	4	20	0 3/4	63	0 1/16	20	3 5/16	63	8 1/16	20	6	64	4 1/8	20	8 5/16	65	1
19	10 1/4	62	4 1/16	20	0 7/16	63	0 5/16	20	3 1/4	63	8 7/16	20	6 1/16	64	5 1/16	20	8 1/2	65	1 1/16
19	10 5/16	62	4 1/8	20	1	63	1	20	3 3/8	63	9 1/16	20	6 1/4	64	5 1/4	20	8 7/16	65	1 1/8
19	10 1/2	62	5 1/16	20	1 1/16	63	1 1/16	20	3 1/2	63	9 1/8	20	6 1/8	64	6				

SECTION II.—TABLE 3.

Giving dimensions for making angled iron rings, the angle or flange being turned outside.

Rule.—Add the breadth of the flange to the diameter of the ring, and refer to table.

Example.—A ring is to be made 3 feet 8 inches diameter inside, the breadth of the angled iron being 3¼ inches.

Thus.—3 feet 8 inches, add 3¼ inches = 3 feet 11¼ inches. In referring to the column of diameters, opposite 3 feet 11¼ inches, you have 11 feet 11⅝ inches—sufficient length for making the ring.

CIRCLES ADVANCING BY AN EIGHTH OF AN INCH.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
0	9	2	2	0	9 1/8	3	3 3/16	0	10	2	4 3/16	0	10 1/8	2	6 1/16	0	11	2	7 3/16
0	9 1/8	2	2 3/16	0	9 1/8	2	3 3/8	0	10 1/8	2	5 1/16	0	10 3/8	2	6 1/8	0	11 1/8	2	8 1/16
0	9 1/4	2	2 3/4	0	9 3/8	2	4	0	10 1/4	2	5 1/16	0	10 3/8	2	7	0	11 1/4	2	8 1/16
0	9 3/8	2	3	0	9 7/8	2	4 3/16	0	10 3/8	2	5 5/16	0	10 7/8	2	7 1/8	0	11 3/8	2	8 7/16

Note.—No allowance is made for welding.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
0	11 1/2	2	9 1/4	1	5	4	3 1/4	1	10 1/2	5	7 7/8	2	4	7	0 3/4	2	9 1/2	8	4 7/8
0	11 5/8	2	9 5/8	1	5 1/8	4	3 3/8	1	10 5/8	5	8 1/4	2	4 1/8	7	0 7/8	2	9 5/8	8	5 1/4
0	11 3/4	2	10	1	5 1/4	4	4 1/8	1	10 3/4	5	8 5/8	2	4 1/4	7	1 1/8	2	9 3/4	8	5 5/8
0	11 7/8	2	10 1/8	1	5 3/8	4	4 1/4	1	10 7/8	5	9	2	4 3/8	7	1 1/4	2	9 7/8	8	6
1	0	2	10 1/4	1	5 1/2	4	5	1	11	5	9 1/8	2	4 1/2	7	1 3/8	2	10	8	6 1/8
1	0 1/8	2	11 1/8	1	5 5/8	4	5 1/8	1	11 1/8	5	9 3/8	2	4 5/8	7	2 1/8	2	10 1/8	8	6 1/4
1	0 1/4	2	11 1/4	1	5 3/4	4	5 1/4	1	11 1/4	5	9 5/8	2	4 3/4	7	2 1/4	2	10 1/4	8	7 1/8
1	0 3/8	2	11 3/8	1	5 7/8	4	5 3/8	1	11 3/8	5	9 7/8	2	4 7/8	7	3	2	10 3/8	8	7 1/4
1	0 1/2	3	0 1/4	1	6	4	6 1/8	1	11 1/2	5	10 1/8	2	5	7	3 1/8	2	10 1/2	8	7 3/8
1	0 5/8	3	0 1/8	1	6 1/8	4	7	1	11 5/8	5	10 3/8	2	5 1/8	7	3 1/4	2	10 5/8	8	8 1/4
1	0 3/4	3	1	1	6 1/4	4	7 1/8	1	11 3/4	5	11 1/8	2	5 1/4	7	3 3/8	2	10 3/4	8	8 3/8
1	0 7/8	3	1 1/8	1	6 3/8	4	7 1/4	1	11 7/8	5	11 1/4	2	5 1/2	7	3 1/2	2	10 7/8	8	8 1/2
1	1	3	1 1/4	1	6 1/2	4	8 1/8	2	0	6	0 3/8	2	5 1/4	7	3 5/8	2	11	8	9 3/8
1	1 1/8	3	2 1/8	1	6 5/8	4	8 1/4	2	0 1/8	6	0 1/2	2	5 3/8	7	3 3/4	2	11 1/8	8	9 1/4
1	1 1/4	3	2 1/4	1	6 3/4	4	8 3/8	2	0 1/4	6	1 1/8	2	5 1/2	7	3 7/8	2	11 1/4	8	10 1/8
1	1 3/8	3	2 3/8	1	6 7/8	4	9 1/8	2	0 3/8	6	1 1/4	2	5 7/8	7	6	2	11 3/8	8	10 1/4
1	1 1/2	3	3 1/4	1	7	4	9 1/4	2	0 1/2	6	1 7/8	2	6	7	6 1/8	2	11 1/2	8	10 3/8
1	1 5/8	3	3 3/8	1	7 1/8	4	9 3/8	2	0 5/8	6	2 1/4	2	6 1/8	7	6 1/4	2	11 5/8	8	11 1/4
1	1 3/4	3	4	1	7 1/4	4	10 1/8	2	0 3/4	6	2 3/8	2	6 1/4	7	6 3/8	2	11 3/4	8	11 3/8
1	1 7/8	3	4 1/8	1	7 3/8	4	10 1/4	2	0 7/8	6	3	2	6 3/8	7	6 1/2	2	11 7/8	9	0
1	2	3	4 1/4	1	7 1/2	4	10 3/8	2	1	6	3 1/8	2	6 1/2	7	6 5/8	3	0	9	0 1/8
1	2 1/8	3	5 1/8	1	7 5/8	4	11 1/8	2	1 1/8	6	3 1/4	2	6 5/8	7	6 3/4	3	0 1/8	9	0 1/4
1	2 1/4	3	5 1/4	1	7 3/4	4	11 1/4	2	1 1/4	6	3 3/8	2	6 3/4	7	6 7/8	3	0 1/4	9	0 3/8
1	2 3/8	3	5 3/8	1	7 7/8	4	11 3/8	2	1 3/8	6	3 5/8	2	6 7/8	7	7	3	0 3/8	9	0 1/2
1	2 1/2	3	6	1	8	5	0	2	1 1/2	6	3 7/8	2	7	7	7 1/8	3	0 1/2	9	0 5/8
1	2 5/8	3	6 1/8	1	8 1/8	5	0 1/8	2	1 5/8	6	4 1/8	2	7 1/8	7	7 1/4	3	0 5/8	9	0 3/4
1	2 3/4	3	7	1	8 1/4	5	0 1/4	2	1 3/4	6	4 1/4	2	7 1/4	7	7 3/8	3	0 3/4	9	0 7/8
1	2 7/8	3	7 1/8	1	8 3/8	5	0 3/8	2	1 7/8	6	4 3/8	2	7 3/8	7	7 1/2	3	0 7/8	9	1
1	3	3	7 1/4	1	8 1/2	5	0 1/2	2	2	6	4 1/2	2	7 1/2	7	7 5/8	3	1	9	1 1/8
1	3 1/8	3	7 3/8	1	8 5/8	5	0 5/8	2	2 1/8	6	4 5/8	2	7 5/8	7	7 3/4	3	1 1/8	9	1 1/4
1	3 1/4	3	7 1/2	1	8 3/4	5	0 3/4	2	2 1/4	6	4 3/4	2	7 3/4	7	7 7/8	3	1 1/4	9	1 3/8
1	3 3/8	3	7 5/8	1	8 7/8	5	0 7/8	2	2 3/8	6	4 7/8	2	7 7/8	7	8	3	1 3/8	9	1 1/2
1	3 1/2	3	7 3/4	1	9	5	1	2	2 1/2	6	5	2	8	7	8 1/8	3	1 1/2	9	1 5/8
1	3 5/8	3	7 7/8	1	9 1/8	5	1 1/8	2	2 5/8	6	5 1/8	2	8 1/8	7	8 1/4	3	1 5/8	9	1 3/4
1	3 3/4	3	8	1	9 1/4	5	1 1/4	2	2 3/4	6	5 1/4	2	8 1/4	7	8 3/8	3	1 3/4	9	1 7/8
1	3 7/8	3	8 1/8	1	9 3/8	5	1 3/8	2	2 7/8	6	5 3/8	2	8 3/8	7	8 1/2	3	1 7/8	9	2
1	4	3	8 1/4	1	9 1/2	5	1 1/2	2	3	6	5 1/2	2	8 1/2	7	8 5/8	3	2	9	2 1/8
1	4 1/8	3	8 3/8	1	9 5/8	5	1 5/8	2	3 1/8	6	5 5/8	2	8 5/8	7	8 3/4	3	2 1/8	9	2 1/4
1	4 1/4	3	8 1/2	1	9 3/4	5	1 3/4	2	3 1/4	6	5 3/4	2	8 3/4	7	8 7/8	3	2 1/4	9	2 3/8
1	4 3/8	3	8 5/8	1	9 7/8	5	1 7/8	2	3 3/8	6	5 7/8	2	8 7/8	7	9	3	2 3/8	9	2 1/2
1	4 1/2	3	8 3/4	1	10	5	2	2	3 1/2	6	6	2	9	7	9 1/8	3	2 1/2	9	2 5/8
1	4 5/8	3	8 7/8	1	10 1/8	5	2 1/8	2	3 5/8	6	6 1/8	2	9 1/8	7	9 1/4	3	2 5/8	9	2 3/4
1	4 3/4	3	9	1	10 1/4	5	2 1/4	2	3 3/4	6	6 1/4	2	9 1/4	7	9 3/8	3	2 3/4	9	2 7/8
1	4 7/8	3	9 1/8	1	10 3/8	5	2 3/8	2	3 7/8	6	6 3/8	2	9 3/8	7	9 1/2	3	2 7/8	9	2 15/16
1	4 15/16	3	9 3/16	1	10 7/16	5	2 7/16	2	3 15/16	6	6 7/16	2	9 7/16	7	9 5/8	3	2 15/16	9	3
1	5	3	9 1/4	1	10 1/2	5	2 1/2	2	4	6	6 1/2	2	9 1/2	7	9 3/4	3	3	9	3 1/8
1	5 1/8	3	9 3/8	1	10 5/8	5	2 5/8	2	4 1/8	6	6 5/8	2	9 5/8	7	9 7/8	3	3 1/8	9	3 1/4
1	5 1/4	3	9 1/2	1	10 3/4	5	2 3/4	2	4 1/4	6	6 3/4	2	9 3/4	8	0	3	3 1/4	9	3 3/8
1	5 3/8	3	9 5/8	1	10 7/8	5	2 7/8	2	4 3/8	6	6 7/8	2	9 7/8	8	0 1/8	3	3 3/8	9	3 1/2
1	5 1/2	3	9 3/4	1	11	5	3	2	4 1/2	6	7	2	10	8	0 1/4	3	3 1/2	9	3 5/8
1	5 5/8	3	9 7/8	1	11 1/8	5	3 1/8	2	4 5/8	6	7 1/8	2	10 1/8	8	0 3/8	3	3 5/8	9	3 3/4
1	5 3/4	3	10	1	11 1/4	5	3 1/4	2	4 3/4	6	7 1/4	2	10 1/4	8	0 1/2	3	3 3/4	9	3 7/8
1	5 7/8	3	10 1/8	1	11 3/8	5	3 3/8	2	4 7/8	6	7 3/8	2	10 3/8	8	0 5/8	3	3 7/8	9	4
1	6	3	10 1/4	1	11 1/2	5	3 1/2	2	5	6	7 1/2	2	10 1/2	8	0 3/4	3	4	9	4 1/8
1	6 1/8	3	10 3/8	1	11 5/8	5	3 5/8	2	5 1/8	6	7 5/8	2	10 5/8	8	0 7/8	3	4 1/8	9	4 1/4
1	6 1/4	3	10 1/2	1	11 3/4	5	3 3/4	2	5 1/4	6	7 3/4	2	10 3/4	8	1	3	4 1/4	9	4 3/8
1	6 3/8	3	10 5/8	1	11 7/8	5	3 7/8	2	5 3/8	6	7 7/8	2	10 7/8	8	1 1/8	3	4 3/8	9	4 1/2
1	6 1/2	3	10 3/4	2	0	6	0 1/8	2	5 1/2	7	0	2	11	8	1 1/4	3	4 1/2	9	4 5/8
1	6 5/8	3	10 7/8	2	0 1/8	6	0 1/4	2	5 5/8	7	0 1/8	2	11 1/8	8	1 3/8	3	4 5/8	9	4 3/4
1	6 3/4	3	11	2	0 1/4	6	0 3/8	2	5 3/4	7	0 1/4	2	11 1/4	8	1 1/2	3	4 3/4	9	4 7/8
1	6 7/8	3	11 1/8	2	0 3/8	6	0 1/2	2	5 7/8	7	0 3/8	2	11 3/8	8	1 5/8	3	4 7/8	9	5
1	7	3	11 1/4	2	0 1/2	6	0 5/8	2	6	7	0 1/2	2	11 1/2	8	1 3/4	3	5	9	5 1/8
1	7 1/8	3	11 3/8	2	0 5/8	6	0 3/4	2	6 1/8	7	0 5/8	2	11 5/8	8	1 7/8	3	5 1/8	9	5 1/4
1	7 1/4	3	11 1/2	2	0 3/4	6	0 7/8	2	6 1/4	7	0 3/4	2	11 3/4	8	2	3	5 1/4	9	5 3/8
1	7 3/8	3	11 5/8	2	0 7/8	6	1	2	6 3/8	7	0 7/8	2	11 7/8	8	2 1/8	3	5 3/8	9	5 1/2
1	7 1/2	3	11 3/4	2	1	6	1 1/8	2	6 1/2	7	1	3	0	8	2 1/4	3	5 1/2	9	5 5/8
1	7 5/8	3	11 7/8	2	1 1/8	6	1 1/4	2	6 5/8	7	1 1/8	3	0 1/8	8	2 3/8	3	5 5/8	9	5 3/4
1	7 3/4	4	0	2	1 1/4	6	1 3/8	2	6 3/4	7	1 1/4	3	0 1/4	8	2 1/2	3	5 3/4	9	5 7/8
1	7 7/8	4	0 1/8	2	1 3/8	6	1 1/2	2	6 7/8	7	1 3/8	3	0 3/8	8	2 5/8	3	5 7/8	9	6
1	8	4	0 1/4	2	1 1/2	6	1 5/8	2	7	7	1 1/2	3	0 1/2	8	2 3/4	3	6	9	6 1/8
1	8 1/8	4	0 3/8	2	1 5/8	6	1 3/4	2	7 1/8	7	1 5/8	3	0 5/8	8	2 7/8	3	6 1/8	9	6 1/4
1	8 1/4	4	0 1/2	2	1 3/4	6	1 7/8	2	7 1/4	7	1 3/4	3	0 3/4	8	3	3	6 1/4	9	6 3/8
1	8 3/8	4	0 5/8	2	1 7/8	6	2	2	7 3/8	7	1 7/8	3	0 7/8	8	3 1/8	3	6 3/8	9	6 1/2
1	8 1/2	4	0 3/4	2	2	6	2 1/8	2	7 1/2	7	2	3	1	8	3 1/4	3	6 1/2	9	6 5/8
1	8 5/8	4	0 7/8	2	2 1/8	6	2 1/4	2	7 5/8	7	2 1/8	3	1 1/8	8	3 3/8	3	6 5/8	9	6 3/4
1	8 3/4	4	1	2	2 1/4	6	2 3/8	2	7 3/4	7	2 1/4	3	1 1/4	8	3 1/2	3	6 3/4	9	6 7/8
1	8 7/8	4	1 1/8	2	2 3/8	6	2 1/2	2	7 7/8	7	2 3/8	3	1 3/8	8	3 5/8	3	6 7/8	9	7
1	9	4	1 1/4	2	2 1/2	6	2 5/8	2	8	7	2 1/2	3	1 1/2	8	3 3/4	3	7	9	7 1/8
1	9 1/8	4	1 3/8	2	2 5/8	6	2 3/4	2	8 1/8	7	2 5/8	3	1 5/8	8	3 7/8	3	7 1/8	9	7 1/4
1	9 1/4	4	1 1/2	2	2 3/4	6	2 7/8	2	8 1/4	7	2 3/4	3	1 3/4	8	4	3	7 1/4	9	7 3/8
1	9 3/8	4	1 5/8	2	2 7/8	6	3	2	8 3/8	7	2 7/8	3	1 7/8	8	4 1/8	3	7 3/8	9	7 1/2
1	9 1/2	4	1 3/4	2	3	6	3 1/8	2	8 1/2	7	3	3	2	8	4 1/4	3	7 1/2	9	7 5/8
1	9 5/8	4	1 7/8	2	3 1/8	6	3 1/4	2	8 5/8	7	3 1/8	3	2 1/8	8	4 3/8	3	7 5/8	9	7 3/4
1	9 3/4	4	2	2	3 1/4	6	3 3/8	2	8 3/4	7	3 1/4	3	2 1/4	8	4 1/2	3	7 3/4	9	7 7/8
1	9 7/8	4	2 1/8	2	3 3/8	6	3 1/2	2	8 7/8	7	3 3/8	3	2 3/8	8	4 5/8	3	7 7/8	9	8
1	10	4	2 1/4	2	3 1/2	6	3 5/8	2	9	7	3 1/2	3	2 1/2	8	4 3/4	3	8	9	8 1/8
1	10 1/8	4	2 3/8	2	3 5/8	6	3 3/4	2	9 1/8	7	3 5/8	3	2 5/8	8	4 7/8	3	8 1/8	9	8 1/4
1	10 1/4	4	2 1/2	2	3 3/4	6	3 7/8	2	9 1/4	7	3 3/4	3	2 3/4	8	5	3	8 1/4	9	8 3/8
1	10 3/8	4	2 5/8	2	3 7/8	6	4	2	9 3/8	7	3 7/8	3	2 7/8	8	5 1/8	3	8 3/8	9	8 1/2
1	10 1/2	4	2 3/4	2	4	6	4 1/8	2	9 1/2	8	0	3	3	8	5 1/4	3	8 1/2	9	8 5/8
1	10 5/8	4	2 7/8	2	4 1/8	6	4 1/4	2	9 5/8	8	0 1/8	3	3 1/8	8	5 3/8	3	8 5/8	9	8 3/4
1	10 3/4	4	3	2	4 1/4	6	4 3/8	2	9 3/4	8	0 1/4	3	3 1/4	8	5 1/2	3	8 3/4	9	8 7/8
1	10 7/8	4	3 1/8	2	4 3/8	6	4 1/2	2	9 7/8	8	0 3/8	3	3 3/8	8	5 5/8	3	8 7/8	9	9
1	11	4	3 1/4	2	4 1/2	6	4 5/8	2	10	8	0 1/2	3	3 1/2	8	5 3/4	3	9		
1	11 1/8	4	3 3/8	2	4 5/8	6	4 3/4	2	10 1/8	8	0 5/8	3	3 5/8	8	5 7/8	3	9 1/8		
1	11 1/4	4	3 1/2	2	4 3/4	6	4 7/8	2	10 1/4	8	0 3/4	3	3 3/4	8	6	3	9 1/4		
1	11 3/8	4	3 5/8	2	4 7/8	6	5	2	10 3/8	8	0 7/8	3	3 7/8	8	6 1/8	3	9 3/8		
1	11 1/2	4	3 3/4	2	5	6	5 1/8	2	10 1/2	8	1	3	4	8	6 1/4	3	9 1/2		
1	11 5/8	4	3 7/8	2	5 1/8	6	5 1/4	2	10 5/8	8	1 1/8	3	4 1/8	8	6 3/8	3	9 5/8		
1	11 3/4	4	4	2	5 1/4	6	5 3/8	2	10 3/4	8	1 1/4	3	4 1/4	8	6 1/2	3	9 3/4		
1	11 7/8	4	4 1/8	2	5 3/8	6	5 1/2	2	10 7/8	8	1 3/8	3	4 3/8	8	6 5/8	3	9 7/8		
2	0	4	4 1/4	2	5 1/2	6	5 5/8	2	11	8	1 1/2	3	4 1/2	8	6 3/4	4	0		
2	0 1/8	4	4 3/8	2	5 5/8	6	5 3/4	2	11 1/8	8	1 5/8	3	4 5/8	8	6 7/8	4	0 1/8		
2	0 1/4	4	4 1/2	2	5 3/4	6	5 7/8	2	11 1/4	8	1 3/4	3	4 3/4	8	7	4	0 1/4		
2	0 3/8	4	4 5/8	2	5 7/8	6	6	2	11 3/8	8	1 7/8	3	4 7/8	8	7 1/8	4	0 3/8		
2	0 1/2	4	4 3/4	2	6	6	6 1/8	2	11 1/2	8	2	3	5	8	7 1/4	4	0 1/2		
2	0 5/8	4	4 7/8	2	6 1/8	6	6 1/4	2	11 5/8	8	2 1/8	3	5 1/8	8	7 3/8	4	0 5/8		
2	0 3/4	4	5	2	6 1/4	6	6 3/8	2	11 3/4	8	2 1/4	3	5 1/4	8	7 1/2	4	0 3/4		
2	0 7/8	4	5 1/8	2	6 3/8	6	6 1/2	2	11 7/8	8	2 3/8	3	5 3/8	8	7 5/8	4	0 7/8		
2	1	4	5 1/4	2	6 1/2	6	6 5/8	3	0	8	2 1/2	3	5 1/2	8	7 3/4	4	1		
2	1 1/8	4	5 3/8	2	6 5/8	6	6 3/4	3	0 1/8	8	2 5/8	3	5 5/8	8	7 7/8	4	1 1/8		
2	1 1/4	4	5 1/2	2	6 3/4	6	6 7/8	3	0 1/4	8	2 3/4	3	5 3/4	8	8	4	1 1/4		
2	1 3/8	4	5 5/8	2	6 7/8	6	7	3	0 3/8	8	2 7/8	3	5 7/8	8	8 1/8	4	1 3/8		
2	1 1/2	4	5 3/4	2	7	6	7 1/8	3	0 1/2	8	3	3	6	8	8 1/4	4	1 1/2		
2	1 5/8	4	5 7/8	2	7 1/8	6	7 1/4	3	0 5/8	8	3 1/8	3	6 1/8	8	8 3/8	4	1 5/8		
2	1 3/4	4	6	2	7 1/4	6	7 3/8	3	0 3/4	8	3 1/4	3	6 1/4	8	8 1/2	4	1 3/4		
2	1 7/8	4	6 1/8	2	7 3/8	6	7 1/2	3	0 7/8	8	3 3/8	3	6 3/8	8	8 5/8	4	1 7/8		
2	2	4	6 1/4	2	7 1/2	6	7 5/8	3	1	8	3 1/2	3	6 1/2	8	8 3/4	4	2		
2	2 1/8	4	6 3/8	2	7 5/8	6	7 3/4	3	1 1/8	8	3 5/8	3	6 5/8	8	8 7/8	4	2 1/8		
2	2 1/4	4	6 1/2	2	7 3/4	6	7 7/8	3	1 1/4	8	3 3/4	3	6 3/4	8	9	4	2 1/4		
2	2 3/8	4	6 5/8	2	7 7/8	6	8	3	1 3/8	8	3 7/8	3	6 7/8	8	9 1/8	4	2 3/8		
2	2 1/2	4	6 3/4	2	8	6	8 1/8	3	1 1/2	8	4	3	7	8	9 1/4	4	2 1/2		
2	2 5/8	4	6 7/8	2	8 1/8	6	8 1/4	3	1 5/8	8	4 1/8	3	7 1/8	8	9 3/8	4	2 5/8		
2	2 3/4	4	7	2	8 1/4	6	8 3/8	3	1 3/4	8	4 1/4	3	7 1/4	8	9 1/2	4	2 3/4		
2	2 7/8	4	7 1/8	2	8 3/8	6	8 1/2	3	1 7/8	8	4 3/8	3	7 3/8	8	9 5/8	4	2 7/8		
2	3	4	7 1/4	2	8 1/2	6	8 5/8	3	2	8	4 1/2	3	7 1/2	8	9 3/4	4	3		
2	3 1/8	4	7 3/8	2	8 5/8	6	8 3/4	3	2 1/8	8	4 5/8	3	7 5/8	8	9 7/8	4	3 1/8		
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2	3 3/8	4	7 5/8	2	8 7/8	6	9	3	2 3/8	8	4 7/8	3	7 7/8	8	10 1/8	4	3 3/8		
2	3 1/2	4	7 3/4	2	9	6	9 1/8	3	2 1/2	8	5	3	8	8	10 1/4	4	3 1/2		
2	3 5/8	4	7 7/8	2	9 1/8	6	9 1/4	3	2 5/8	8	5 1/8	3	8 1/8	8	10 3/8	4	3 5/8		
2	3 3/4	4	8	2	9 1/4	6	9 3/8	3	2 3/4	8	5 1/4	3	8 1/4	8	10 1/2	4	3 3/4		
2	3 7/8	4	8 1/8	2	9 3/8	6	9 1/2	3	2 7/8	8	5 3/8	3	8 3/8	8	10 5/8	4	3 7/8		
2	4	4	8 1/4	2	9 1/2	6	9 5/8	3	3	8	5 1/2	3	8 1/2	8	10 3/4	4	4		

Note.—No allowance is made for welding.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
3	3	9	$9\frac{3}{8}$	3	$8\frac{1}{2}$	11	$2\frac{1}{4}$	4	2	12	$7\frac{3}{8}$	4	$7\frac{1}{4}$	14	$0\frac{1}{4}$	5	1	15	5
3	$3\frac{1}{4}$	9	$9\frac{3}{4}$	3	$8\frac{5}{8}$	11	$2\frac{3}{8}$	4	$2\frac{1}{4}$	12	$7\frac{3}{4}$	4	$7\frac{3}{8}$	14	$0\frac{3}{8}$	5	$1\frac{1}{8}$	15	$5\frac{1}{2}$
3	$3\frac{1}{4}$	9	$10\frac{1}{8}$	3	$8\frac{3}{4}$	11	3	4	$2\frac{1}{4}$	12	$8\frac{1}{8}$	4	$7\frac{3}{4}$	14	1	5	$1\frac{1}{4}$	15	$5\frac{5}{8}$
3	$3\frac{3}{8}$	9	$10\frac{1}{4}$	3	$8\frac{7}{8}$	11	$3\frac{3}{8}$	4	$2\frac{3}{8}$	12	$8\frac{1}{4}$	4	$7\frac{7}{8}$	14	$1\frac{3}{8}$	5	$1\frac{3}{8}$	15	$6\frac{1}{4}$
3	$3\frac{1}{2}$	9	$10\frac{7}{8}$	3	9	11	$3\frac{3}{4}$	4	$2\frac{1}{2}$	12	$8\frac{7}{8}$	4	8	14	$1\frac{3}{4}$	5	$1\frac{1}{2}$	15	$6\frac{3}{8}$
3	$3\frac{3}{8}$	9	$11\frac{1}{4}$	3	$9\frac{1}{8}$	11	$4\frac{1}{4}$	4	$2\frac{3}{8}$	12	$9\frac{1}{4}$	4	$8\frac{1}{4}$	14	$2\frac{1}{4}$	5	$1\frac{3}{8}$	15	$7\frac{1}{8}$
3	$3\frac{3}{4}$	9	$11\frac{5}{8}$	3	$9\frac{1}{4}$	11	$4\frac{3}{8}$	4	$2\frac{3}{4}$	12	$9\frac{3}{8}$	4	$8\frac{1}{2}$	14	$2\frac{1}{2}$	5	$1\frac{1}{4}$	15	$7\frac{1}{2}$
3	$3\frac{7}{8}$	10	0	3	$9\frac{3}{8}$	11	5	4	$2\frac{7}{8}$	12	10	4	$8\frac{3}{4}$	14	$2\frac{7}{8}$	5	$1\frac{7}{8}$	15	8
3	4	10	$0\frac{3}{8}$	3	$9\frac{1}{2}$	11	$5\frac{3}{8}$	4	3	12	$10\frac{3}{8}$	4	$8\frac{1}{4}$	14	$3\frac{1}{4}$	5	2	15	$8\frac{3}{8}$
3	$4\frac{1}{8}$	10	$0\frac{3}{4}$	3	$9\frac{3}{8}$	11	$5\frac{3}{4}$	4	$3\frac{1}{8}$	12	$10\frac{3}{4}$	4	$8\frac{3}{8}$	14	$3\frac{3}{8}$	5	$2\frac{1}{8}$	15	$8\frac{7}{8}$
3	$4\frac{1}{4}$	10	$1\frac{1}{8}$	3	$9\frac{3}{4}$	11	$6\frac{1}{4}$	4	$3\frac{1}{4}$	12	$11\frac{1}{4}$	4	$8\frac{1}{2}$	14	4	5	$2\frac{1}{4}$	15	$9\frac{1}{4}$
3	$4\frac{3}{8}$	10	$1\frac{1}{4}$	3	$9\frac{7}{8}$	11	$6\frac{1}{4}$	4	$3\frac{3}{8}$	12	$11\frac{5}{8}$	4	$8\frac{7}{8}$	14	$4\frac{3}{8}$	5	$2\frac{3}{8}$	15	$9\frac{3}{4}$
3	$4\frac{1}{2}$	10	$1\frac{7}{8}$	3	10	11	7	4	$3\frac{1}{2}$	13	0	4	9	14	$4\frac{1}{2}$	5	$2\frac{1}{2}$	15	$10\frac{1}{4}$
3	$4\frac{3}{8}$	10	$2\frac{1}{4}$	3	$10\frac{1}{8}$	11	$7\frac{3}{8}$	4	$3\frac{3}{8}$	13	$0\frac{3}{8}$	4	$9\frac{1}{4}$	14	$5\frac{1}{4}$	5	$2\frac{3}{8}$	15	$10\frac{3}{8}$
3	$4\frac{1}{2}$	10	$2\frac{3}{8}$	3	$10\frac{1}{4}$	11	$7\frac{1}{2}$	4	$3\frac{1}{2}$	13	$0\frac{3}{4}$	4	$9\frac{1}{2}$	14	$5\frac{1}{2}$	5	$2\frac{1}{2}$	15	11
3	$4\frac{7}{8}$	10	3	3	$10\frac{3}{8}$	11	$8\frac{1}{4}$	4	$3\frac{7}{8}$	13	$1\frac{1}{8}$	4	$9\frac{3}{8}$	14	$5\frac{7}{8}$	5	$2\frac{7}{8}$	15	$11\frac{5}{8}$
3	5	10	$3\frac{3}{8}$	3	$10\frac{1}{2}$	11	$8\frac{1}{2}$	4	4	13	$1\frac{1}{8}$	4	$9\frac{1}{4}$	14	$6\frac{1}{4}$	5	3	16	0
3	$5\frac{1}{8}$	10	$3\frac{3}{4}$	3	$10\frac{3}{8}$	11	$8\frac{3}{4}$	4	$4\frac{1}{8}$	13	$1\frac{3}{4}$	4	$9\frac{3}{8}$	14	$6\frac{3}{8}$	5	$3\frac{1}{8}$	16	$0\frac{1}{4}$
3	$5\frac{1}{4}$	10	$4\frac{1}{8}$	3	$10\frac{3}{4}$	11	$9\frac{1}{4}$	4	$4\frac{1}{4}$	13	$2\frac{1}{4}$	4	$9\frac{3}{4}$	14	7	5	$3\frac{1}{4}$	16	$0\frac{7}{8}$
3	$5\frac{3}{8}$	10	$4\frac{1}{4}$	3	$10\frac{7}{8}$	11	$9\frac{3}{8}$	4	$4\frac{3}{8}$	13	$2\frac{3}{8}$	4	$9\frac{7}{8}$	14	$7\frac{3}{8}$	5	$3\frac{3}{8}$	16	$1\frac{3}{8}$
3	$5\frac{1}{2}$	10	$4\frac{7}{8}$	3	11	11	10	4	$4\frac{1}{2}$	13	3	4	10	14	$7\frac{1}{2}$	5	$3\frac{1}{4}$	16	$1\frac{7}{8}$
3	$5\frac{3}{8}$	10	$5\frac{1}{4}$	3	$11\frac{1}{8}$	11	$10\frac{1}{4}$	4	$4\frac{3}{8}$	13	$3\frac{3}{8}$	4	$10\frac{1}{8}$	14	$8\frac{1}{4}$	5	$3\frac{3}{8}$	16	$2\frac{1}{4}$
3	$5\frac{1}{2}$	10	$5\frac{3}{8}$	3	$11\frac{1}{4}$	11	$10\frac{7}{8}$	4	$4\frac{1}{2}$	13	$3\frac{3}{4}$	4	$10\frac{1}{4}$	14	$8\frac{1}{2}$	5	$3\frac{1}{2}$	16	$2\frac{3}{8}$
3	$5\frac{7}{8}$	10	6	3	$11\frac{3}{8}$	11	$11\frac{1}{4}$	4	$4\frac{3}{8}$	13	$4\frac{1}{8}$	4	$10\frac{3}{8}$	14	$8\frac{7}{8}$	5	$3\frac{7}{8}$	16	3
3	6	10	$6\frac{3}{8}$	3	$11\frac{1}{2}$	11	$11\frac{3}{8}$	4	5	13	$4\frac{1}{4}$	4	$10\frac{1}{2}$	14	$9\frac{1}{4}$	5	4	16	$3\frac{3}{8}$
3	$6\frac{1}{8}$	10	$6\frac{3}{4}$	3	$11\frac{3}{8}$	12	0	4	$5\frac{1}{8}$	13	$4\frac{3}{8}$	4	$10\frac{3}{8}$	14	$9\frac{3}{8}$	5	$4\frac{1}{8}$	16	$3\frac{3}{8}$
3	$6\frac{1}{4}$	10	$7\frac{1}{8}$	3	$11\frac{3}{4}$	12	$0\frac{3}{8}$	4	$5\frac{1}{4}$	13	$5\frac{1}{4}$	4	$10\frac{1}{2}$	14	10	5	$4\frac{1}{4}$	16	$4\frac{1}{8}$
3	$6\frac{3}{8}$	10	$7\frac{3}{8}$	3	$11\frac{7}{8}$	12	$0\frac{3}{4}$	4	$5\frac{3}{8}$	13	$5\frac{3}{8}$	4	$10\frac{3}{8}$	14	$10\frac{3}{8}$	5	$4\frac{3}{8}$	16	$4\frac{1}{4}$
3	$6\frac{1}{2}$	10	8	4	0	12	$1\frac{1}{4}$	4	$5\frac{1}{2}$	13	6	4	11	14	$10\frac{3}{4}$	5	$4\frac{1}{2}$	16	$4\frac{3}{8}$
3	$6\frac{3}{8}$	10	$8\frac{3}{8}$	4	$0\frac{1}{8}$	12	$1\frac{3}{8}$	4	$5\frac{3}{8}$	13	$6\frac{3}{8}$	4	$11\frac{1}{8}$	14	$11\frac{1}{4}$	5	$4\frac{3}{8}$	16	$5\frac{1}{4}$
3	$6\frac{3}{4}$	10	$8\frac{3}{4}$	4	$0\frac{1}{4}$	12	2	4	$5\frac{3}{4}$	13	$6\frac{3}{4}$	4	$11\frac{1}{4}$	14	$11\frac{1}{2}$	5	$4\frac{3}{4}$	16	$5\frac{3}{4}$
3	$6\frac{7}{8}$	10	$9\frac{1}{8}$	4	$0\frac{3}{8}$	12	$2\frac{3}{8}$	4	$5\frac{7}{8}$	13	$7\frac{1}{4}$	4	$11\frac{3}{8}$	14	$11\frac{7}{8}$	5	$4\frac{7}{8}$	16	$6\frac{1}{4}$
3	7	10	$9\frac{3}{4}$	4	$0\frac{1}{2}$	12	$2\frac{3}{4}$	4	6	13	$7\frac{3}{8}$	4	$11\frac{1}{2}$	15	$0\frac{1}{4}$	5	5	16	$6\frac{3}{4}$
3	$7\frac{1}{8}$	10	10	4	$0\frac{3}{8}$	12	$3\frac{1}{4}$	4	$6\frac{1}{8}$	13	8	4	$11\frac{3}{8}$	15	$0\frac{3}{8}$	5	$5\frac{1}{8}$	16	7
3	$7\frac{1}{4}$	10	$10\frac{3}{8}$	4	$0\frac{3}{4}$	12	$3\frac{3}{4}$	4	$6\frac{1}{4}$	13	$8\frac{3}{8}$	4	$11\frac{3}{4}$	15	1	5	$5\frac{1}{4}$	16	$7\frac{3}{8}$
3	$7\frac{3}{8}$	10	$10\frac{3}{4}$	4	$0\frac{7}{8}$	12	$3\frac{7}{8}$	4	$6\frac{3}{8}$	13	$8\frac{3}{4}$	4	$11\frac{7}{8}$	15	$1\frac{1}{4}$	5	$5\frac{3}{8}$	16	$7\frac{3}{4}$
3	$7\frac{1}{2}$	10	$11\frac{1}{8}$	4	1	12	$4\frac{3}{8}$	4	$6\frac{1}{2}$	13	$9\frac{1}{8}$	5	0	15	$1\frac{3}{8}$	5	$5\frac{1}{4}$	16	$8\frac{1}{8}$
3	$7\frac{3}{8}$	10	$11\frac{1}{4}$	4	$1\frac{1}{8}$	12	$4\frac{3}{4}$	4	$6\frac{3}{8}$	13	$9\frac{1}{4}$	5	$0\frac{1}{4}$	15	$2\frac{1}{4}$	5	$5\frac{3}{8}$	16	$8\frac{1}{4}$
3	$7\frac{3}{4}$	10	$11\frac{3}{8}$	4	$1\frac{1}{4}$	12	$5\frac{1}{8}$	4	$6\frac{3}{4}$	13	$9\frac{3}{8}$	5	$0\frac{1}{4}$	15	$2\frac{1}{4}$	5	$5\frac{3}{4}$	16	$8\frac{3}{8}$
3	$7\frac{7}{8}$	11	$0\frac{1}{4}$	4	$1\frac{3}{8}$	12	$5\frac{1}{4}$	4	$6\frac{7}{8}$	13	$10\frac{1}{4}$	5	$0\frac{3}{8}$	15	3	5	$5\frac{7}{8}$	16	$9\frac{1}{4}$
3	8	11	$0\frac{3}{4}$	4	$1\frac{1}{2}$	12	$5\frac{3}{4}$	4	7	13	$10\frac{5}{8}$	5	$0\frac{1}{4}$	15	$3\frac{3}{8}$	5	6	16	$9\frac{3}{8}$
3	$8\frac{1}{8}$	11	$1\frac{1}{8}$	4	$1\frac{3}{8}$	12	$6\frac{1}{4}$	4	$7\frac{1}{8}$	13	11	5	$0\frac{3}{8}$	15	$3\frac{3}{8}$	5	$6\frac{1}{8}$	16	10
3	$8\frac{1}{4}$	11	$1\frac{1}{4}$	4	$1\frac{3}{4}$	12	$6\frac{3}{8}$	4	$7\frac{1}{4}$	13	$11\frac{1}{4}$	5	$0\frac{3}{4}$	15	$4\frac{1}{8}$	5	$6\frac{1}{4}$	16	$10\frac{3}{8}$
3	$8\frac{3}{8}$	11	$1\frac{7}{8}$	4	$1\frac{7}{8}$	12	7	4	$7\frac{3}{8}$	13	$11\frac{7}{8}$	5	$0\frac{7}{8}$	15	$4\frac{1}{4}$	5	$6\frac{3}{8}$	16	$10\frac{3}{4}$

Note.—No allowance is made for welding.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
5	6 1/4	16	11 1/2	5	10 1/4	17	10 1/2	6	2	18	9 1/2	6	5 3/4	19	8 1/2	6	9 1/4	20	7 1/2
5	6 3/8	16	11 5/8	5	10 3/8	17	10 7/8	6	2 1/8	18	9 5/8	6	5 7/8	19	8 5/8	6	9 3/8	20	8
5	6 1/2	16	11 3/4	5	10 1/2	17	11 1/4	6	2 1/4	18	9 3/4	6	6	19	9	6	9 1/2	20	8 1/2
5	6 5/8	17	0 1/8	5	10 5/8	17	11 5/8	6	2 3/8	18	10 1/8	6	6 1/8	19	9 1/8	6	9 5/8	20	8 3/4
5	7	17	0 1/4	5	10 3/4	18	0	6	2 1/2	18	10 1/4	6	6 1/4	19	9 1/4	6	10	20	9 1/8
5	7 1/8	17	1	5	10 7/8	18	0 1/8	6	2 5/8	18	10 3/8	6	6 3/8	19	10 1/8	6	10 1/8	20	9 1/4
5	7 1/4	17	1 1/4	5	11	18	0 1/4	6	2 3/4	18	11 1/4	6	6 1/2	19	10 1/4	6	10 1/4	20	9 3/8
5	7 3/8	17	1 1/2	5	11 1/8	18	1	6	2 7/8	18	11 3/8	6	6 5/8	19	10 3/8	6	10 3/8	20	10 1/4
5	7 1/2	17	2 1/4	5	11 1/4	18	1 1/8	6	3	19	0	6	6 3/4	19	11 1/4	6	10 1/2	20	10 3/8
5	7 5/8	17	2 3/8	5	11 3/8	18	1 1/4	6	3 1/8	19	0 1/8	6	6 7/8	19	11 3/8	6	10 5/8	20	11
5	7 3/4	17	3	5	11 1/2	18	2 1/8	6	3 1/4	19	0 1/4	6	7	20	0	6	10 3/4	20	11 1/8
5	7 7/8	17	3 3/8	5	11 5/8	18	2 1/4	6	3 3/8	19	1 1/8	6	7 1/8	20	0 1/8	6	10 7/8	20	11 1/4
5	8	17	3 1/2	5	11 3/4	18	2 3/8	6	3 1/2	19	1 1/4	6	7 1/4	20	0 1/4	6	11	21	0 1/8
5	8 1/8	17	4 1/8	5	11 7/8	18	2 1/2	6	3 5/8	19	1 3/8	6	7 3/8	20	1 1/8	6	11 1/8	21	0 1/4
5	8 1/4	17	4 1/4	6	0	18	2 5/8	6	3 3/4	19	2 1/8	6	7 1/2	20	1 1/4	6	11 1/4	21	1
5	8 3/8	17	4 3/8	6	0 1/8	18	2 3/4	6	3 7/8	19	2 1/4	6	7 5/8	20	1 3/8	6	11 3/8	21	1 1/8
5	8 1/2	17	4 1/2	6	0 1/4	18	2 7/8	6	4	19	2 3/8	6	7 3/4	20	1 1/2	6	11 1/2	21	1 1/4
5	8 5/8	17	4 5/8	6	0 3/8	18	3	6	4 1/8	19	2 1/2	6	7 7/8	20	1 5/8	6	11 5/8	21	1 3/8
5	8 3/4	17	4 3/4	6	0 1/2	18	3 1/8	6	4 1/4	19	2 5/8	6	8	20	1 3/4	6	11 3/4	21	1 1/2
5	8 7/8	17	4 7/8	6	0 5/8	18	3 1/4	6	4 3/8	19	2 3/4	6	8 1/8	20	1 7/8	6	11 7/8	21	1 5/8
5	9	17	5	6	0 3/4	18	3 3/8	6	4 1/2	19	2 7/8	6	8 1/4	20	2	7	0	21	1 3/4
5	9 1/8	17	5 1/8	6	0 7/8	18	3 1/2	6	4 5/8	19	3	6	8 3/8	20	2 1/8	7	0 1/8	21	1 7/8
5	9 1/4	17	5 1/4	6	1	18	3 5/8	6	4 3/4	19	3 1/8	6	8 1/2	20	2 1/4	7	0 1/4	21	2
5	9 3/8	17	5 3/8	6	1 1/8	18	3 3/4	6	4 7/8	19	3 1/4	6	8 5/8	20	2 3/8	7	0 3/8	21	2 1/8
5	9 1/2	17	5 1/2	6	1 1/4	18	3 7/8	6	5	19	3 3/8	6	8 3/4	20	2 1/2	7	0 1/2	21	2 1/4
5	9 5/8	17	5 5/8	6	1 3/8	18	4	6	5 1/8	19	3 1/2	6	8 7/8	20	2 5/8	7	0 5/8	21	2 3/8
5	9 3/4	17	5 3/4	6	1 1/2	18	4 1/8	6	5 1/4	19	3 5/8	6	9	20	2 3/4	7	0 3/4	21	2 1/2
5	9 7/8	17	5 7/8	6	1 5/8	18	4 1/4	6	5 3/8	19	3 3/4	6	9 1/8	20	2 7/8	7	0 7/8	21	2 5/8
5	10	17	6	6	1 3/4	18	4 3/8	6	5 1/2	19	3 7/8	6	9 1/4	20	3				
5	10 1/8	17	6 1/8	6	1 7/8	18	4 1/2	6	5 5/8	19	4	6	9 3/8	20	3 1/8				

Note.—No allowance is made for welding.

SECTION 2.—TABLE 4.

Giving dimensions for making angled iron rings, the angle or flange being turned inside, from 9 inches, advancing by ¼th, up to 8 feet 8¼ inches.

There being no proper rule for making these rings, owing to the unequal contraction in turning them, I made several experiments, from which I ascertained the starting point for length of these rings to be once the breadth of the flange, less than three times the diameter for all rings below two feet diameter; from two feet up to two feet six inches, there is a loss of the breadth of the flange, and three times the diameter exactly makes a two feet six inch ring. Then, from two feet six inches up to three feet six inches there is a loss of two and a half inches more than three times the diameter; and, from experience, there does not appear to be any more loss of length up to six feet diameter, beyond which size I have not experimented; clearly shewing that while the iron is bending round an acute radius, it gains length, or rather it loses nothing; and, while bending round a more obtuse radius, it loses to the amount of five and a half inches in length, in going from two feet up to three feet six inches diameter, after which it appears that no variation takes place. Thus, the turning the two extremes of this angled iron inside, acts upon an inverted ratio: when the ring is small, the back of the iron stretches, and the belly or inside flange jumps; and when the ring is large. the iron bends, without altering the loss of length sustained upon a three feet six inch ring.

The rings, of which the lengths are given in the table, are made from Hawks and Crawshay's best angled iron, three inches broad, by three-quarters of an inch thick, at the root or throat of the bar. Workmen making rings from sizes differing from the table, if thicker or thinner at the throat, will find the subject explained as follows:—

Rule.—If thicker than the table, subtract once the difference from the diameter of your ring. If thinner than the table, add once the difference to the diameter.

Example.—Given to be made a ring of angled iron 3 feet 6 inches diameter outside of the ring, and 1 inch thick at the root or throat of the bar.

Thus, 3 feet 6 inches — ¼ inch = 3 feet 5¾ inches diameter. By referring to table for the diameter, you have opposite, in circumference column, 10 feet 7¼ inches—sufficient length for the ring.

Case 2.—A ring is to be made, 3 feet 6 inches in diameter, outside measure, from angled iron ¼ inch thick at throat. Thus, 3 feet 6 inches + ¼ inch = 3 feet 6¼ inches diameter, opposite which, in column of cir-

cumferences, you find 10 feet 9¼ inches is the length given for iron ¼ an inch thick at the root or throat of the bar.

N.B.—Rings made from Leeds or Low Moor iron, allow one inch more than the lengths given in the table.

Observe also, that the angled iron rings outside, and angled iron rings inside, cross each others' lengths at 2 feet 8 inches diameter; and both converge into the same circumference at 5 feet 8 inches diameter.

CIRCLES ADVANCING BY AN EIGHTH OF AN INCH.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
0	9	2	1	1	0⅛	2	10⅞	1	4¼	3	9⅞	1	7⅞	4	8⅞	1	11¼	5	8
0	9¼	2	1¼	1	0¼	2	11¼	1	4⅜	3	10¼	1	8	4	9¼	1	11⅜	5	8⅛
0	9⅜	2	1⅜	1	0⅞	2	11⅜	1	4½	3	10⅜	1	8⅛	4	9⅜	1	11½	5	8¼
0	9½	2	1½	1	1	3	0	1	4⅝	3	11¼	1	8¼	4	10	1	11⅞	5	9⅛
0	9⅝	2	2⅛	1	1⅛	3	0⅛	1	4¾	3	11⅜	1	8⅜	4	10⅛	2	0	5	9¼
0	9¾	2	2¼	1	1¼	3	0¼	1	4⅞	3	11⅞	1	8½	4	10¼	2	0⅛	5	9⅜
0	9⅞	2	2⅜	1	1⅜	3	1⅛	1	5	4	0¼	1	8⅝	4	11¼	2	0¼	5	10¼
0	9⅞	2	3¼	1	1⅝	3	1⅛	1	5⅛	4	0⅝	1	8¾	4	11¼	2	0⅜	5	10⅜
0	10	2	3⅜	1	1⅞	3	1⅞	1	5¼	4	1	1	8⅞	4	11⅞	2	0½	5	11
0	10⅛	2	4	1	1⅞	3	2¼	1	5⅜	4	1⅛	1	9	5	0¼	2	0⅝	5	11⅛
0	10¼	2	4¼	1	1⅞	3	2⅜	1	5½	4	1⅜	1	9¼	5	0⅜	2	0¾	5	11¼
0	10⅜	2	4⅜	1	2	3	3	1	5⅝	4	2⅛	1	9¼	5	1	2	0⅞	6	0⅛
0	10½	2	5	1	2⅛	3	3⅛	1	5¾	4	2⅛	1	9⅜	5	1⅛	2	1	6	0¼
0	10⅝	2	5¼	1	2¼	3	3¼	1	5⅞	4	2⅞	1	9½	5	1⅛	2	1⅛	6	1
0	10¾	2	5⅜	1	2⅜	3	4⅛	1	6	4	3¼	1	9⅝	5	2¼	2	1¼	6	1⅜
0	10⅞	2	6	1	2⅛	3	4⅛	1	6⅛	4	3⅝	1	9¾	5	2⅛	2	1⅜	6	1⅞
0	11	2	6¼	1	2⅜	3	4⅞	1	6¼	4	4	1	9⅞	5	2⅞	2	1½	6	2⅛
0	11⅛	2	6⅜	1	2⅜	3	5¼	1	6⅜	4	4⅛	1	10	5	3¼	2	1⅝	6	2¼
0	11¼	2	7	1	2⅞	3	5⅜	1	6½	4	4⅜	1	10¼	5	3⅝	2	1⅜	6	3⅛
0	11⅜	2	7⅛	1	3	3	6⅛	1	6⅝	4	5⅛	1	10¼	5	4	2	1⅞	6	3⅜
0	11½	2	7⅝	1	3⅛	3	6¼	1	6¾	4	5½	1	10⅜	5	4⅛	2	2	6	4
0	11⅝	2	8	1	3¼	3	6⅞	1	6⅞	4	5⅞	1	10½	5	4⅜	2	2⅛	6	4⅛
0	11¾	2	8¼	1	3⅜	3	7⅛	1	7	4	6⅛	1	10⅝	5	5¼	2	2¼	6	4⅝
0	11⅞	2	8⅝	1	3⅛	3	7⅜	1	7⅛	4	6⅜	1	10¾	5	5⅛	2	2⅜	6	5⅛
1	0	2	9	1	3⅝	3	8	1	7¼	4	7⅛	1	10⅞	5	5⅞	2	2¼	6	5⅜
1	0⅛	2	9⅛	1	3⅞	3	8⅛	1	7⅜	4	7¼	1	11	5	6⅛	2	2⅛	6	6
1	0¼	2	9¼	1	3⅞	3	8¼	1	7½	4	7⅝	1	11⅛	5	6¼	2	2⅞	6	6⅛
1	0⅜	2	10⅛	1	4	3	9¼	1	7⅝	4	8¼	1	11¼	5	7¼	2	2⅞	6	7⅛
1	0¼	2	10¼	1	4⅛	3	9⅛	1	7⅞	4	8⅜	1	11⅜	5	7⅜	2	3	6	7¼

Note.—No allowance is made for welding.

Diam.	Circ.	Diam.	Circ.	Diam.	Circ.	Diam.	Circ.	Diam.	Circ.	Diam.	Circ.
ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.	ft. in.
2 3⅛	6 7⅝	2 8⅛	8 2⅝	3 2⅛	9 8⅛	3 7⅛	11 1⅛	4 1⅛	12 5⅞		
2 3¼	6 8⅛	2 8¼	8 2¾	3 2¼	9 8¼	3 7¼	11 1⅜	4 1¼	13 6¼		
2 3⅜	6 8⅜	2 8⅜	8 3⅛	3 2⅜	9 9⅛	3 7⅜	11 2	4 1⅜	12 6⅝		
2 3½	6 9¼	2 9	8 3⅜	3 2½	9 9⅜	3 8	11 2⅛	4 1½	12 7		
2 3⅝	6 9⅜	2 9¼	8 4	3 2⅝	9 10	3 8⅛	11 2¼	4 1⅝	12 7⅛		
2 3¾	6 10⅛	2 9½	8 4½	3 2¾	9 10⅛	3 8¼	11 3⅛	4 1¾	12 7¼		
2 3⅞	6 10¼	2 9⅝	8 4⅞	3 2⅞	9 10⅜	3 8⅜	11 3¼	4 1⅞	12 8⅛		
2 4	6 11	2 9¾	8 5⅛	3 3	9 11⅛	3 8½	11 3⅜	4 2	12 8¼		
2 4⅛	6 11⅜	2 9⅞	8 5⅜	3 3⅛	9 11⅜	3 8⅝	11 4⅛	4 2⅛	12 8⅞		
2 4¼	6 11⅞	2 9¾	8 6⅛	3 3⅜	10 0	3 8¾	11 4⅜	4 2¼	12 9⅛		
2 4⅜	7 0⅛	2 9⅞	8 6¼	3 3⅝	10 0⅜	3 8⅞	11 4⅞	4 2⅜	12 9⅜		
2 4½	7 0⅜	2 10	8 7	3 3⅛	10 0⅝	3 9	11 5¼	4 2½	12 10		
2 4⅝	7 1⅛	2 10¼	8 7⅜	3 3⅝	10 1⅛	3 9⅛	11 5⅜	4 2⅝	12 10⅜		
2 4¾	7 1⅜	2 10½	8 7¾	3 3¾	10 1⅜	3 9¼	11 6	4 2¾	12 10¾		
2 4⅞	7 2	2 10⅝	8 8⅛	3 3⅞	10 2	3 9⅜	11 6⅛	4 2⅞	12 11⅛		
2 5	7 2⅛	2 10¾	8 8⅜	3 4	10 2⅛	3 9½	11 6⅜	4 3	12 11½		
2 5⅛	7 2⅜	2 10⅞	8 9	3 4⅛	10 2⅜	3 9⅝	11 7¼	4 3⅛	12 11⅞		
2 5¼	7 3⅛	2 10⅞	8 9⅛	3 4¼	10 3⅛	3 9¾	11 7⅛	4 3¼	13 0¼		
2 5⅜	7 3⅜	2 10⅞	8 9⅞	3 4⅜	10 3⅜	3 9⅞	11 7⅜	4 3⅜	13 0⅝		
2 5½	7 4⅛	2 11	8 10⅛	3 4½	10 4	3 10	11 8⅛	4 3½	13 1		
2 5⅝	7 4⅜	2 11⅛	8 10⅜	3 4⅝	10 4⅛	3 10⅛	11 8⅜	4 3⅝	13 1⅜		
2 5¾	7 5⅛	2 11¼	8 11	3 4¾	10 4⅞	3 10¼	11 9	4 3¾	13 1¾		
2 5⅞	7 5⅜	2 11⅜	8 11⅛	3 4⅞	10 5⅛	3 10⅜	11 9⅛	4 3⅞	13 2⅛		
2 6	7 6	2 11½	8 11⅞	3 5	10 5⅜	3 10½	11 9⅜	4 4	13 2½		
2 6⅛	7 6⅛	2 11⅝	9 0⅛	3 5⅛	10 6	3 10⅝	11 10⅛	4 4⅛	13 2⅞		
2 6¼	7 6⅜	2 11¾	9 0⅜	3 5¼	10 6⅜	3 10¾	11 10⅜	4 4¼	13 3¼		
2 6⅜	7 7⅛	2 11⅞	9 1	3 5⅜	10 6⅞	3 10⅞	11 10⅞	4 4⅜	13 3⅝		
2 6½	7 7⅜	3 0	9 1⅛	3 5½	10 7⅛	3 11	11 11¼	4 4½	13 4		
2 6⅝	7 8	3 0⅛	9 1⅜	3 5⅝	10 7⅜	3 11⅛	11 11⅜	4 4⅝	13 4⅜		
2 6¾	7 8⅛	3 0¼	9 2⅛	3 5¾	10 7⅞	3 11⅛	12 0	4 4¾	13 4¾		
2 6⅞	7 8⅜	3 0⅜	9 2⅜	3 5⅞	10 8⅛	3 11⅜	12 0⅜	4 4⅞	13 5⅛		
2 7	7 9⅛	3 0½	9 3	3 6	10 8½	3 11½	12 0⅝	4 5	13 5⅜		
2 7⅛	7 9⅜	3 0⅝	9 3⅜	3 6⅛	10 8⅞	3 11⅝	12 1⅛	4 5⅛	13 6		
2 7¼	7 9⅞	3 0¾	9 3⅝	3 6¼	10 9¼	3 11¾	12 1⅜	4 5¼	13 6⅜		
2 7⅜	7 10¼	3 0⅞	9 4¼	3 6⅜	10 9⅝	3 11⅞	12 2	4 5⅜	13 6¾		
2 7½	7 10⅝	3 1	9 4⅝	3 6½	10 10	4 0	12 2⅜	4 5½	13 7¼		
2 7⅝	7 11	3 1⅛	9 5⅛	3 6⅝	10 10⅜	4 0⅛	12 2⅝	4 5⅝	13 7⅞		
2 7¾	7 11⅛	3 1¼	9 5⅜	3 6¾	10 10¾	4 0¼	12 3⅛	4 5¾	13 8⅛		
2 7⅞	7 11⅜	3 1⅜	9 5⅞	3 6⅞	10 11⅛	4 0⅜	12 3¼	4 5⅞	13 8⅝		
2 8	8 0⅛	3 1½	9 6¼	3 7	10 11½	4 0½	12 3⅝	4 6	13 9		
2 8⅛	8 0⅜	3 1⅝	9 6⅝	3 7⅛	10 11⅞	4 0⅝	12 4¼	4 6⅛	13 9⅜		
2 8¼	8 1⅛	3 1¾	9 7	3 7¼	11 0⅛	4 0¾	12 4⅝	4 6¼	13 9¾		
2 8⅜	8 1¼	3 1⅞	9 7⅜	3 7⅜	11 0⅜	4 0⅞	12 5	4 6⅜	13 10¼		
2 8½	8 2	3 2	9 8	3 7½	11 0¾	4 1	12 5⅜	4 6½	13 10½		

2 D

Note.—No allowance is made for welding.

cumferences, you find 10 feet 9¼ inches is the length given for iron ¼ an inch thick at the root or throat of the bar.

N.B.—Rings made from Leeds or Low Moor iron, allow one inch more than the lengths given in the table.

Observe also, that the angled iron rings outside, and angled iron rings inside, cross each others' lengths at 2 feet 8 inches diameter; and both converge into the same circumference at 5 feet 8 inches diameter.

CIRCLES ADVANCING BY AN EIGHTH OF AN INCH.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
0	9	2	1	1	0⅜	2	10⅞	1	4¼	3	9⅞	1	7⅝	4	8⅞	1	11¼	5	8
0	9⅛	2	1¼	1	0½	2	11¼	1	4⅜	3	10¼	1	8	4	9¼	1	11⅜	5	8⅛
0	9¼	2	1⅜	1	0⅝	2	11½	1	4½	3	10⅜	1	8⅛	4	9⅜	1	11½	5	8¼
0	9⅜	2	1½	1	1	3	0	1	4⅝	3	11⅛	1	8¼	4	10	1	11⅝	5	9⅛
0	9½	2	2¼	1	1⅛	3	0⅜	1	4⅜	3	11½	1	8⅜	4	10⅜	2	0	5	9½
0	9⅝	2	2½	1	1¼	3	0¾	1	4⅞	3	11⅞	1	8½	4	10¾	2	0⅛	5	9⅞
0	9¾	2	2⅞	1	1⅜	3	1⅛	1	5	4	0¼	1	8⅝	4	11¼	2	0¼	5	10¼
0	9⅞	2	3¼	1	1½	3	1⅜	1	5⅛	4	0⅝	1	8¾	4	11⅜	2	0⅜	5	10⅝
0	10	2	3⅜	1	1⅝	3	1⅞	1	5¼	4	1	1	8⅞	4	11⅞	2	0½	5	11
0	10⅛	2	4	1	1⅞	3	2¼	1	5⅜	4	1⅜	1	9	5	0¼	2	0⅝	5	11⅜
0	10¼	2	4¼	1	1⅞	3	2⅝	1	5½	4	1⅝	1	9¼	5	0⅝	2	0¾	5	11¾
0	10⅜	2	4⅝	1	2	3	3	1	5⅝	4	2⅛	1	9¼	5	1	2	0⅞	6	0⅛
0	10½	2	5	1	2⅛	3	3⅜	1	5¾	4	2⅛	1	9⅜	5	1⅛	2	1	6	0¼
0	10⅝	2	5¼	1	2¼	3	3¾	1	5⅞	4	2⅞	1	9½	5	1¼	2	1⅛	6	1
0	10¾	2	5⅝	1	2⅜	3	4⅛	1	6	4	3¼	1	9⅝	5	2¼	2	1¼	6	1⅜
0	10⅞	2	6	1	2⅛	3	4⅜	1	6⅛	4	3⅝	1	9¾	5	2⅛	2	1⅜	6	1⅞
0	11	2	6¼	1	2⅝	3	4⅞	1	6¼	4	4	1	9⅞	5	2⅞	2	1½	6	2⅛
0	11⅛	2	6⅝	1	2¾	3	5¼	1	6⅜	4	4⅜	1	10	5	3¼	2	1⅝	6	2¾
0	11¼	2	7	1	2⅞	3	5⅜	1	6½	4	4¾	1	10¼	5	3⅝	2	1¾	6	3⅛
0	11⅜	2	7⅛	1	3	3	6⅛	1	6⅝	4	5⅛	1	10¼	5	4	2	1⅞	6	3⅜
0	11½	2	7⅝	1	3⅛	3	6¼	1	6¾	4	5½	1	10⅜	5	4⅜	2	2	6	4
0	11⅝	2	8	1	3¼	3	6⅞	1	6⅞	4	5⅞	1	10¼	5	4¾	2	2⅛	6	4⅛
0	11¾	2	8¼	1	3⅜	3	7¼	1	7	4	6⅛	1	10⅝	5	5¼	2	2¼	6	4⅞
0	11⅞	2	8⅝	1	3½	3	7⅝	1	7⅛	4	6⅜	1	10¾	5	5½	2	2⅜	6	5⅛
1	0	2	9	1	3⅝	3	8	1	7¼	4	7⅛	1	10⅞	5	5⅞	2	2½	6	5⅜
1	0⅛	2	9⅛	1	3¾	3	8⅜	1	7⅜	4	7¼	1	11	5	6⅛	2	2⅝	6	6¼
1	0¼	2	9⅜	1	3⅞	3	8¾	1	7½	4	7⅞	1	11⅛	5	6¼	2	2¾	6	6⅜
1	0⅜	2	10¼	1	4	3	9⅛	1	7⅝	4	8¼	1	11¼	5	7¼	2	2⅞	6	7⅛
1	0½	2	10½	1	4⅛	3	9¼	1	7¾	4	8⅜	1	11⅜	5	7⅝	3		6	7½

Note.—No allowance is made for welding.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
2	3 1/8	6	7 7/8	2	8 3/8	8	2 3/4	3	2 1/4	9	8 3/8	3	7 1/8	11	1 1/2	4	1 1/4	12	5 1/8
2	3 1/4	6	8 1/8	2	8 1/2	8	2 3/4	3	2 1/2	9	8 1/2	3	7 1/2	11	1 5/8	4	1 1/2	12	6 1/4
2	3 3/8	6	8 1/2	2	8 5/8	8	3 1/8	3	2 3/8	9	9 1/8	3	7 7/8	11	2	4	1 5/8	12	6 3/8
2	3 1/2	6	9 1/4	2	9	8	3 3/8	3	2 1/2	9	9 3/8	3	8	11	2 1/8	4	1 3/4	12	7
2	3 3/8	6	9 3/8	2	9 1/8	8	4	3	2 3/8	9	10	3	8 1/8	11	2 1/4	4	1 3/8	12	7 1/8
2	3 3/4	6	10 1/8	2	9 1/4	8	4 1/4	3	2 3/4	9	10 3/8	3	8 1/4	11	3 1/8	4	1 3/4	12	7 1/4
2	3 7/8	6	10 1/4	2	9 3/8	8	4 7/8	3	2 7/8	9	10 3/4	2	8 3/8	11	3 1/4	4	1 7/8	12	8 1/8
2	4	6	11	2	9 1/2	8	5 1/4	3	3	9	11 1/4	3	8 1/2	11	3 3/8	4	2	12	8 1/2
2	4 1/8	6	11 3/8	2	9 5/8	8	5 3/8	3	3 1/8	9	11 3/8	3	8 3/8	11	4 1/8	4	2 1/8	12	8 7/8
2	4 1/4	6	11 7/8	2	9 3/4	8	6 1/8	3	3 3/8	10	0	3	8 3/4	11	4 1/4	4	2 1/4	12	9 1/4
2	4 3/8	7	0 1/4	2	9 7/8	8	6 1/4	3	3 3/8	10	0 3/8	3	8 7/8	11	4 3/8	4	2 3/8	12	9 3/8
2	4 1/2	7	0 3/8	2	10	8	7	3	3 1/2	10	0 3/4	3	9	11	5 1/4	4	2 1/2	12	10
2	4 3/8	7	1 1/8	2	10 1/8	8	7 3/8	3	3 3/8	10	1 1/8	3	9 1/8	11	5 3/8	4	2 3/8	12	10 3/8
2	4 3/4	7	1 3/8	2	10 1/4	8	7 3/4	3	3 3/4	10	1 3/8	3	9 1/4	11	6	4	2 3/4	12	10 3/4
2	4 7/8	7	2	2	10 3/8	8	8 1/8	3	3 7/8	10	2	3	9 3/8	11	6 3/8	4	2 7/8	12	11 1/8
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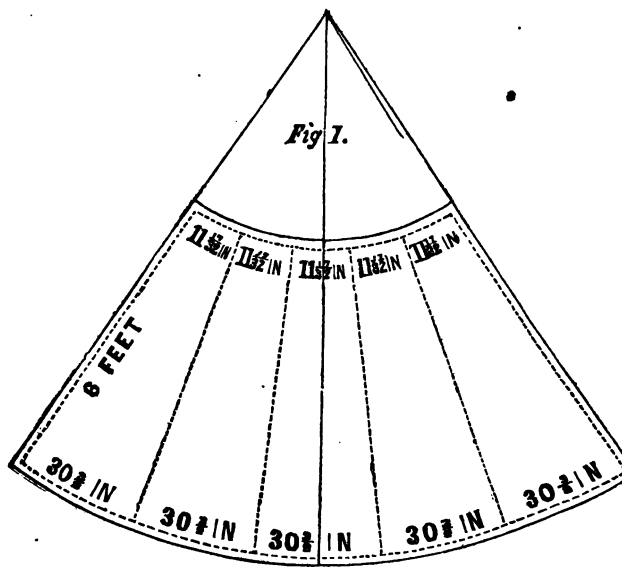
2	5 3/8	7	4 3/8	2	11 1/8	8	10 3/8	3	4 3/8	10	4 1/8	3	10 1/8	11	8 3/8	4	3 5/8	13	1 3/8
2	5 3/4	7	5 1/8	2	11 1/4	8	11	3	4 3/8	10	4 1/4	3	10 1/4	11	9	4	3 3/4	13	1 3/4
2	5 7/8	7	5 3/8	2	11 3/8	8	11 1/8	3	4 7/8	10	5 1/8	3	10 3/8	11	9 3/8	4	3 7/8	13	2 1/8
2	6	7	6	2	11 1/2	8	11 7/8	3	5	10	5 3/8	3	10 1/2	11	9 3/4	4	4	13	2 1/4
2	6 1/8	7	6 1/8	2	11 3/8	9	0 1/8	3	5 1/8	10	6	3	10 3/8	11	10 1/8	4	4 1/8	13	2 3/8
2	6 1/4	7	6 3/8	2	11 3/4	9	0 3/8	3	5 1/4	10	6 3/8	3	10 3/4	11	10 1/4	4	4 1/4	13	3 1/4
2	6 3/8	7	7 1/8	2	11 7/8	9	1	3	5 3/8	10	6 3/4	3	10 7/8	11	10 3/8	4	4 3/8	13	3 3/8
2	6 1/2	7	7 3/8	3	0	9	1 1/8	3	5 1/2	10	7 1/8	3	11	11	11 1/8	4	4 1/2	13	4
2	6 3/8	7	8	3	0 1/8	9	1 3/8	3	5 3/8	10	7 3/8	3	11 1/8	11	11 3/8	4	4 3/8	13	4 1/8
2	6 3/4	7	8 3/8	3	0 1/4	9	2 1/4	3	5 3/4	10	7 3/4	3	11 1/4	12	0	4	4 3/4	13	4 1/4
2	6 7/8	7	8 3/4	3	0 3/8	9	2 3/8	3	5 7/8	10	8 1/4	3	11 3/8	12	0 3/8	4	4 7/8	13	5 1/8
2	7	7	9 1/8	3	0 1/2	9	3	3	6	10	8 3/8	3	11 1/2	12	0 3/4	4	5	13	5 3/8
2	7 1/8	7	9 1/4	3	0 3/8	9	3 3/8	3	6 1/8	10	8 7/8	3	11 3/8	12	1 1/8	4	5 1/8	13	6
2	7 1/4	7	9 7/8	3	0 3/4	9	3 3/4	3	6 1/4	10	9 1/4	3	11 3/4	12	1 3/8	4	5 1/4	13	6 3/8
2	7 3/8	7	10 1/4	3	0 7/8	9	4 1/8	3	6 3/8	10	9 3/8	3	11 7/8	12	2	4	5 3/8	13	6 3/4
2	7 1/2	7	10 3/8	3	1	9	4 1/4	3	6 1/2	10	10	4	0	12	2 1/8	4	5 1/2	13	7 1/4
2	7 3/8	7	11	3	1 1/8	9	5 1/8	3	6 3/8	10	10 3/8	4	0 1/4	12	2 3/8	4	5 3/8	13	7 3/8
2	7 3/4	7	11 1/8	3	1 1/4	9	5 1/4	3	6 3/4	10	10 3/4	4	0 1/2	12	3 1/8	4	5 3/4	13	8 1/8
2	7 7/8	7	11 1/4	3	1 3/8	9	5 3/8	3	6 7/8	10	11 1/8	4	0 3/4	12	3 1/4	4	5 7/8	13	8 3/8
2	8	8	0 1/8	3	1 1/4	9	6 1/4	3	7	10	11 1/4	4	0 7/8	12	3 3/8	4	6	13	9
2	8 1/8	8	0 3/4	3	1 3/8	9	6 3/8	3	7 1/8	10	11 3/8	4	0 3/8	12	4 1/4	4	6 1/8	13	9 1/8
2	8 1/4	8	1 1/8	3	1 3/8	9	7	3	7 1/4	11	0 1/4	4	0 3/4	12	4 5/8	4	6 1/4	13	9 1/4
2	8 3/8	8	1 1/4	3	1 7/8	9	7 1/8	3	7 3/8	11	0 3/8	4	0 7/8	12	5	4	6 3/8	13	10 1/8
2	8 1/2	8	2	3	2	9	8	3	7 1/2	11	0 3/4	4	1	12	5 1/8	4	6 1/2	13	10 1/4

Note.—No allowance is made for welding.

ENVELOPE FOR A CONE.

The following figure represents a conical tube, 6 feet in length, the diameter of the base being 4 feet inside measurement, and the diameter of the summit 1 foot 6 inches inside measurement. Suppose we fix upon making the tube of ⅜-inch boiler plate, by referring to Table 2, Section 2, we enter from column of diameters, and add once the thickness of plate to 4 feet, which gives 4 feet 0⅜ inch. Opposite this length, in circumference column, you will find 12 feet 7⅞ inches, the whole circumference of the base; and for length of summit, we add the thickness of plate to 1 foot 6 inches, which gives 1 foot 6⅜ inches, opposite to which you will find 4 feet 9⅜ inches, the whole circumference of the summit. Suppose we fix upon 5 plates to make the tube, thus—



Example,—Base in circumference = 151⅞ inches ÷ 5 plates gives 30⅜ inches = the breadth of each plate at the base, centre and centre of hole. The length of the summit circumference = 57⅜ inches ÷ by 5 plates = 11½⅝ inches, the breath of each plate, centre and centre of holes.

Case 2.—Suppose we wish to lengthen the tube to 12 feet. The diameter of the tube at the top end being 9 inches outside measurement, of course the diameter of the bottom end, for this length of tube, will be obtained from the top end of the previous example. Thus, 1 foot 6 inches + twice the thickness of plate, gives 1 foot 6⅛ inches, the outside measurement of the top end of the first length. Hence, the diameter sought for is 1 foot 6⅛ inches inside, for the present length of tube. Therefore, 1 foot 6⅛ inches + thickness of plate, viz., ⅛ inch, gives 1 foot 7¼ inch, length in diameter, opposite which, in Table, you will find 5 feet = circumference. Let us fix upon 3 plates for this length, and we have 20 inches = length of each plate, centre of holes, for bottom end of tube, second length.

The top end being 9 inches in diameter, outside measurement, in this case we subtract once the thickness of plate from the diameter, and enter from column in Table 2 of 2nd Section, with 8⅞ inches, opposite to which is 2 feet 3 inches = circumference, which being divided by 3, gives 9 inches each plate. centre and centre of holes.

Conical tubes of any length, or hoops of any dimensions, can be made by a similar process.

HOW TO DRAW AN ENVELOPE FOR THE FRUSTRUM OF A CONE OR CONICAL TUBE.

Operation.—Raising a perpendicular line, with a proper sized square. is as ready as any thing for this purpose. Set off the whole height of your tube, or whole height of your plate. Next, measure one-half of the circumference of tube upon each side of the perpendicular line, both top and bottom of plate. Take a long straight edge, or else a small chalk line tightly stretched. Cut the two points of the half circumferences you have already set off. Continue the chalk line to the perpendicular line; and wherever it crosses or intersects, that is the centre point for describing radius of plates. Next, get a wooden trammel with steel sliding centres. Screeve the bottom edge of your plate first; then shift your bottom trammel point up the lath 1¼ inch. This will mark the radius line for holes at the bottom edge of plate. Shift your bottom trammel point up to where the centre of top holes is to be, still keeping your top trammel point in the centre on perpendicular line. This will mark the line of holes for top edge of plate. Then, again, shift your bottom trammel point 1¼ inch up the lath, and this will radius the top edge of plate.—Observe to get the true circumference of tube or hoop. Take a pair of compasses, set so as they will not lose any length in going round the radius line. Count the number of measurements upon the line of

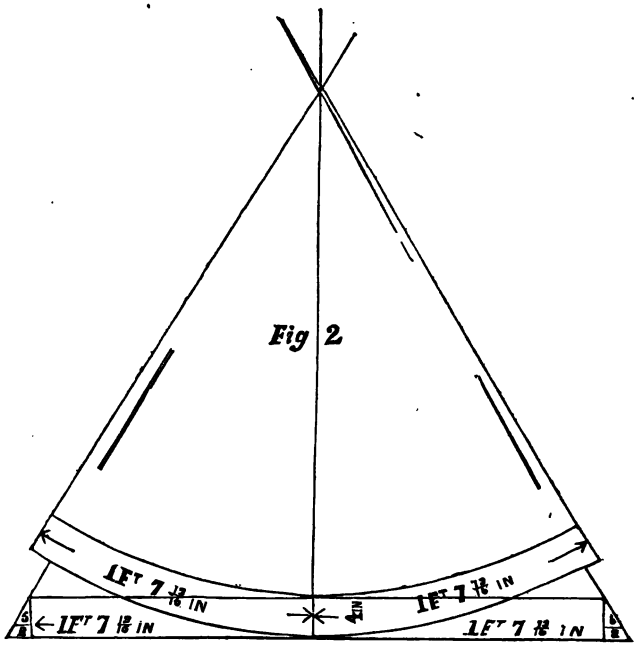


Fig 2

holes, both top and bottom of plate (see Fig. 1); you will find that 30¼ inches equal the length in circumference of one plate, from centre to centre of rivet holes, at bottom end. Hence, 12 divisions, set to 2⅜ inches, bring the proof. Set the compass to suit the radius line of holes for top end, and a similar result will follow, viz., 11¼ inches, the length in circumference of top end of plate. Lastly, lay down a line through the two points of the top and bottom radius lines, the third point being that of the centre upon the perpendicular line. Allow 1¼ inch from the centre of holes to the edge of the plate. This completes the template.

Note.—When more than one plate is required to form a tube, half the circumference set off from one side of the perpendicular line is sufficient

BEVIL HOOPS.

Figure 2 represents the mode which I have in practice for making bevil hoops. The figure is not laid down to any scale, but is merely a sketch. Suppose it to represent a hoop 12 inches in diameter, with 1¼ inch bevil; the iron from which the hoop is to be made = ⅝ inch thick. Thus, by entering from Table 2, Section 2, you refer to 12 inches, to which add ⅝, giving 12⅝ inches, in diameter column. Opposite to this, in circumference column, you will find 3 feet 3⅝ inches, length required.

How to lay down the hoop.—Operation—Raise a perpendicular line: set off half the circumference of hoop at the base, and upon each side of perpendicular line. Next, mark down the breadth of the hoop, and then put to the end of each half circumference the bevil of the hoop set off at the bottom edge, which, if ⅛ upon the diameter, will give 1¼ circumference; and that, divided, gives ⅛ of an inch, as per figure. Then, run the taper through the top edge of hoop. Bear in mind, that this bevil has nothing whatever to do with the length of the hoop, but merely to give the radius centre, wherever it crosses the perpendicular line. The lines in figure, that appear broken, are the same; but it must be distinctly understood, that the bevil given is on the circumference only, and not on the diameter of the hoop. Next, take a trammel, and from the centre mark the bottom or convex edge of your hoop. Then, whatever breadth your hoop may be, raise your bottom trammel point; if 4 inches, raise it to that; and this will describe the top or concave edge of hoop. Then, measure with a compass the length in centre of radius part, same as the straight part; and wherever the last division point is, draw a line from it to the centre on perpendicular line, and this will give the length and bevil of hoop correct; or measure the top and bottom edges with a compass, taking care to suit the lengths to the taper of the hoops.

Case 2.—Suppose a hoop to be made, 6 feet in diameter, inside measurement, from iron ¼ inch thick, and of any given breadth; and the hoop to have 1 inch bevil upon the diameter. This gives 3 inches upon the circumference, and will require 1¼ inch to be placed at each bottom edge of hoop, similar to Figure 2. Enter Table 2, Section 2; see 6 feet; add ¼ inch for the thickness; and in circumference column you will find 19 feet 6¼ inches. All large hoops need only be set off to one side of perpendicular line. Add the 1¼ inch bevil to each end, as given above. Place it at the bottom edge of hoop, as before; and the operation will be similar to that in the last example.

Should the bevil of the hoop not be named, and the work being at hand, you have only to callip the top and bottom edges of hoop seat. If the work be large, bend a thin bar edgewise, for callipers, so as to prevent spring when applied. Observe, multiplying bevil in diameter by 3, and dividing by 2, gives the bevil to be put to each end of figure.

Conical tubes, bevil hoops, or pump bucket hoops, can all be set off in their length, by taking half the diameter on either side of perpendicular

line; but errors, with those who are not scholars, would more readily occur in measuring out above three times the diameter. Consequently, this proves the examples given to be more simple, and one measurement only is required.

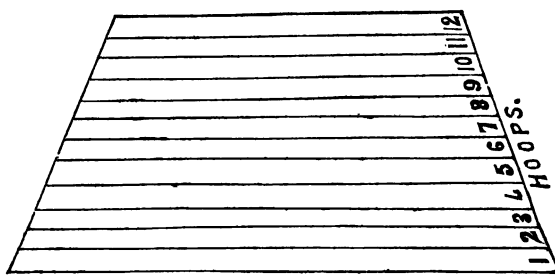
Observe—All lengths given for tubes or hoops are the net lengths; and when such are to be welded, allowance must be made for jump and waster

Example 3.—Suppose we have a large wooden tank, 10 feet in diameter at the bottom, and 8 feet in diameter at the top, by 4 feet deep, same as Figure 3; and we fix upon hooping this tank with hoops 4 inches broad by ¼ an inch thick. This would require 12 hoops to make one continuous surface of iron outside, with 2 feet of bevil to be divided amongst the 12 hoops. Consequently, this would give 2 inches of bevil to each hoop upon the diameter; but there would have to be a fresh radius marked for every hoop. Although the bevil for all the 12 hoops would be the same, the radius would differ in each, on account of the different diameters. By referring to Table 2, you find that it requires 31 feet 6¼ inches for bottom hoop, or hoop No. 1; while it only requires 25 feet 3¼ inches for top hoop, or hoop No. 12. Hence, each hoop would vary in length to the amount of $6\frac{3}{12}$ inches; that is, from No. 1 up to No. 12, each hoop would be $6\frac{3}{12}$ inches shorter, and the bevil would be 3¼ inches in their circumference, set off at each end of the hoop. The top edge of each hoop would have to be 6¼ inches shorter in the circumference, or $3\frac{1}{8}$ shorter from perpendicular line than bottom edge, to keep the taper right.

Thus, the reader will clearly perceive that a 4 feet radius is more acute than a 5 feet radius, of which the dimensions are the No. 1 and No. 12 hoops. The bevil in this case is taken same as in Figure 2. Set off half the circumference to one side of perpendicular line, with 3¼ inches bevil added to bottom edge to suit the taper of the hoop, same as figure.

Figure 3.

TOP OF TANK, 8 FEET.



BOTTOM OF TANK, 10 FEET.

REMARKS.

GIVING proper lengths for making elliptical or oval hoops and rings.

Observe—You must bring the dimensions given into a circle, and then refer to table for the kind of iron you make the hoops or rings of.

Rule.—For making outside angled iron rings, add the long axis into the short axis, and divide by 2, which gives the inside diameter; then add the breadth of the flange to the diameter, and refer to Table 3, Section 2.

Example.—Given to make an oval ring 30¼ inches by 24¼ inches, inside measure, from angled iron 3 inches broad. Thus, 30¼ inches + 24¼ inches = 55 inches ÷ 2 = 27½ inches diameter, inside of ring; add 3 inches, breadth of iron, gives 2 feet 6½ inches with this diameter. You refer to Table 3, Section 2; and, opposite to the latter measure, you find, in circumference column, 7 feet 7⅞ inches.

Thus, 30·5 + 24·5 = 55 ÷ 2 = 27·5 = diameter of ring inside; then, 27·5 + 3 = 30½ inches, or 2 feet 6½ inches, for diameter column; and by referring to Table 3, you find, in circumference column, 7 feet 7⅞ inches, sufficient length to make the ring.

FOR MAKING PLAIN IRON HOOPS.

Rule.—Add thickness of iron to circular diameter, and refer to Table 1.

Example.—A hoop, same dimensions as above, to be made from iron 1 inch thick. Thus, 30¼ + 24¼ = 55 ÷ 2 = 27½ + 1 = 28½ inches, or 2 feet 4½ inches diameter. You refer to Table 1, Section 2, in the circumference column of which you find, opposite to this diameter, 7 feet 5 inches, the length required.

FOR MAKING INSIDE ANGLED IRON RINGS.

Rule.—Add the two axes together, divide by 2, and with the quotient refer to diameter column, Table 4, Section 2, opposite to which you will find the length required.

Example.—Suppose a ring, of the same dimensions as above, 30¼ + 24¼ = 55 inches ÷ 2 = 27½ inches. With this diameter, you refer to Table 4, and opposite you find 6 feet 9¼ inches, sufficient length to make the ring.

Oval hoops of any dimension may be made by following these examples.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
4	6⅛	13	10⅞	5	0⅛	15	3⅜	5	5⅛	16	8⅛	5	11¼	18	1	6	4⅛	19	4⅞
4	6¼	13	11¼	5	0¼	15	4⅛	5	5¼	16	8⅞	5	11½	18	1⅛	6	4¼	19	5⅛
4	6⅜	13	11⅝	5	0⅜	15	4¼	5	5⅜	16	9¼	5	11⅝	18	1¼	6	4⅜	19	5⅜
4	7	14	0	5	0½	15	4⅜	5	6	16	9⅜	5	11¾	18	2⅛	6	5	19	6
4	7⅛	14	0⅜	5	0⅝	15	5¼	5	6⅛	16	10⅛	5	11⅞	18	2¼	6	5⅛	19	6⅜
4	7¼	14	0¾	5	0¾	15	5⅜	5	6¼	16	10⅜	5	11¾	18	2⅜	6	5¼	19	6¾
4	7⅜	14	1⅛	5	0⅞	15	6⅛	5	6⅜	16	10⅞	5	11⅞	18	3⅛	6	5⅜	19	7⅛
4	7½	14	1½	5	1	15	6¼	5	6½	16	11¼	6	0	18	3¼	6	5½	19	7¼
4	7⅝	14	1⅞	5	1⅛	15	6⅜	5	6⅝	16	11⅝	6	0⅛	18	3⅜	6	5⅝	19	7⅜
4	7¾	14	2¼	5	1¼	15	7¼	5	6¾	17	0	6	0¼	18	4¼	6	5¾	19	8¼
4	7⅞	14	2⅝	5	1⅜	15	7⅜	5	6⅞	17	0⅜	6	0⅜	18	4⅜	6	5⅞	19	8⅜
4	8	14	3	5	1½	15	8	5	7	17	0¾	6	0½	18	5	6	6	19	9
4	8⅛	14	3⅛	5	1⅝	15	8⅜	5	7⅛	17	1⅛	6	0⅝	18	5⅛	6	6⅛	19	9⅛
4	8¼	14	3⅜	5	1¾	15	8¾	5	7¼	17	1⅜	6	0¾	18	5¼	6	6¼	19	9¾
4	8⅜	14	4⅛	5	1⅞	15	9⅛	5	7⅜	17	1⅞	6	0⅞	18	6⅛	6	6⅜	19	10
4	8½	14	4⅜	5	2	15	9⅜	5	7½	17	2¼	6	1	18	6¼	6	6½	19	10⅛
4	8⅝	14	5	5	2⅛	15	10⅛	5	7⅝	17	2⅜	6	1⅛	18	6⅜	6	6⅝	19	10¾
4	8¾	14	5⅛	5	2¼	15	10½	5	7¾	17	3	6	1¼	18	7¼	6	6¾	19	11⅛
4	8⅞	14	5⅜	5	2⅜	15	10⅞	5	7⅞	17	3⅜	6	1⅜	18	7⅜	6	6⅞	19	11½
4	9	14	6¼	5	2½	15	11¼	5	8	17	3¾	6	1½	18	8	6	7	20	0
4	9⅛	14	6⅜	5	2⅝	15	11⅝	5	8⅛	17	4⅛	6	1⅝	18	8¼	6	7⅛	20	0⅜
4	9¼	14	7	5	2¾	16	0	5	8¼	17	4½	6	1¾	18	8⅜	6	7¼	20	0¾
4	9⅜	14	7⅜	5	2⅞	16	0⅜	5	8⅜	17	4⅞	6	1⅞	18	8¾	6	7⅜	20	1⅛
4	9½	14	7¾	5	3	16	0¾	5	8½	17	5¼	6	2	18	9⅛	6	7½	20	1⅝
4	9⅝	14	8⅛	5	3⅛	16	1⅛	5	8⅝	17	5⅝	6	2⅛	18	9¼	6	7⅝	20	1⅞
4	9¾	14	8½	5	3¼	16	1½	5	8¾	17	6	6	2¼	18	9⅞	6	7¾	20	2¼
4	9⅞	14	8⅞	5	3⅜	16	1⅞	5	8⅞	17	6⅜	6	2⅜	18	10⅛	6	7⅞	20	2⅜
4	10	14	9⅛	5	3½	16	2¼	5	9	17	6¾	6	2½	18	10¼	6	8	20	3
4	10¼	14	9¼	5	3⅝	16	2⅜	5	9⅛	17	7⅛	6	2⅝	18	10⅞	6	8⅛	20	3⅜
4	10½	14	9⅞	5	3¾	16	3	5	9¼	17	7½	6	2¾	18	11¼	6	8¼	20	3¾
4	10⅝	14	10¼	5	3⅞	16	3⅜	5	9⅜	17	7⅞	6	2⅞	18	11⅝	6	8⅜	20	4⅛
4	10¾	14	10⅝	5	4	16	3¾	5	9½	17	8¼	6	3	19	0	6	8½	20	4⅜
4	10⅞	14	11	5	4⅛	16	4⅛	5	9⅝	17	8⅜	6	3⅛	19	0⅜	6	8⅝	20	5
4	10¾	14	11⅜	5	4¼	16	4½	5	9¾	17	9	6	3¼	19	0¾	6	8¾	20	5⅜
4	10⅞	14	11¾	5	4⅜	16	4⅞	5	9⅞	17	9⅜	6	3⅜	19	1⅛	6	8⅞	20	5¾
4	11	15	0¼	5	4½	16	5¼	5	10	17	9¾	6	3½	19	1½	6	9	20	6⅛
4	11⅛	15	0⅝	5	4⅝	16	5½	5	10⅛	17	10⅛	6	3⅝	19	1⅞	6	9⅛	20	6½
4	11¼	15	1	5	4¾	16	5⅞	5	10¼	17	10½	6	3¾	19	2¼	6	9¼	20	6⅞
4	11⅜	15	1⅜	5	4⅞	16	6¼	5	10⅜	17	10⅞	6	3⅞	19	2⅝	6	9⅜	20	7¼
4	11½	15	1¾	5	5	16	6⅜	5	10½	17	11¼	6	4	19	3	6	9½	20	7⅝
4	11⅝	15	2⅛	5	5⅛	16	7	5	10⅝	17	11⅝	6	4⅛	19	3⅜	6	9⅝	20	8
4	11¾	15	2½	5	5¼	16	7⅜	5	10¾	18	0	6	4¼	19	3¾	6	9¾	20	8⅜
4	11⅞	15	2⅞	5	5⅜	16	7¾	5	10⅞	18	0⅜	6	4⅜	19	4⅛	6	9⅞	20	8¾
5	0	15	3⅜	5	5½	16	8⅛	5	11	18	0¾	6	4½	19	4½	6	10	20	9⅛

Note.—No allowance is made for welding.

Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.		Diam.		Circ.	
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
6	10⅛	20	9½	7	2⅛	22	0	7	7⅜	23	1⅛	8	0	24	3½	8	4½	25	5½
6	10¼	20	9⅞	7	2¼	22	0⅛	7	7½	23	2	8	0⅛	24	3⅞	8	4⅝	25	5⅞
6	10⅜	20	10¼	7	3	22	0⅜	7	7⅝	23	2⅛	8	0¼	24	4¼	8	4¾	25	6¼
6	10½	20	10⅝	7	3¼	22	1¼	7	7¾	23	2⅜	8	0⅜	24	4⅝	8	4⅞	25	6⅝
6	10⅝	20	11	7	3¼	22	1⅜	7	7⅞	23	3⅛	8	0½	24	5	8	5	25	7
6	10¾	20	11⅜	7	3⅜	22	2	7	8	23	3¼	8	0⅝	24	5⅛	8	5⅛	25	7⅜
6	10⅞	20	11¾	7	3½	22	2⅛	7	8⅛	23	3⅞	8	0¾	24	5¾	8	5¼	25	7¾
6	11	21	0⅛	7	3⅝	22	2¾	7	8¼	23	4¼	8	0⅞	24	6⅛	8	5⅜	25	8⅛
6	11⅛	21	0¼	7	3¾	22	3⅛	7	8⅜	23	4⅜	8	1	24	6½	8	5½	25	8½
6	11¼	21	1	7	3⅞	22	3¼	7	8½	23	5	8	1⅛	24	7	8	5⅝	25	8⅞
6	11⅜	21	1⅜	7	4	22	3⅞	7	8⅝	23	5⅛	8	1¼	24	7⅛	8	5¾	25	9¼
6	11½	21	1¾	7	4⅛	22	4¼	7	8¾	23	5⅜	8	1⅜	24	7¾	8	5⅞	25	9⅝
6	11⅝	21	2⅛	7	4¼	22	4⅜	7	8⅞	23	6⅛	8	1¾	24	8⅛	8	6	25	10
6	11¾	21	2⅜	7	4⅜	22	5	7	9	23	6¼	8	1⅞	24	8¼	8	6⅛	25	10⅜
6	11⅞	21	3	7	4½	22	5⅜	7	9⅛	23	6⅞	8	1⅞	24	8⅞	8	6¼	25	10⅞
7	0	21	3⅜	7	4⅝	22	5¾	7	9¼	23	7⅛	8	1⅞	24	9¼	8	6⅜	25	11⅛
7	0⅛	21	3¾	7	4¾	22	6⅛	7	9⅜	23	7⅜	8	2	24	9⅝	8	6½	25	11½
7	0¼	21	4¼	7	4⅞	22	6¼	7	9½	23	8	8	2⅛	24	10	8	6⅝	26	0
7	0⅜	21	4⅝	7	5	22	6⅜	7	9⅝	23	8⅛	8	2¼	24	10⅛	8	6¾	26	0⅜
7	0½	21	5	7	5⅛	22	6⅞	7	9¾	23	8⅜	8	2⅜	24	10⅞	8	6⅞	26	0¾
7	0⅝	21	5⅜	7	5¼	22	7¼	7	9⅞	23	9⅛	8	2½	24	11¼	8	7	26	1⅛
7	0¾	21	5¾	7	5⅜	22	7⅜	7	10	23	9¼	8	2⅝	24	11⅝	8	7⅛	26	1¼
7	0⅞	21	6⅛	7	5½	22	8	7	10⅛	23	9⅞	8	2¾	25	0	8	7¼	26	1⅝
7	1	21	6¼	7	5⅝	22	8⅛	7	10¼	23	10¼	8	2⅞	25	0⅛	8	7⅜	26	2¼
7	1⅛	21	6⅞	7	5¾	22	8¼	7	10⅜	23	10⅜	8	3	25	0¼	8	7½	26	2⅜
7	1¼	21	7¼	7	5⅞	22	9⅛	7	10½	23	11	8	3⅛	25	1⅛	8	7⅝	26	3
7	1⅜	21	7⅝	7	6	22	9½	7	10⅝	23	11⅜	8	3¼	25	1½	8	7¾	26	3⅜
7	1½	21	8	7	6⅛	22	9⅞	7	10¾	23	11⅝	8	3⅜	25	2	8	7⅞	26	3¾
7	1⅝	21	8⅜	7	6¼	22	10¼	7	10⅞	24	0⅛	8	3½	25	2⅜	8	8	26	4⅛
7	1¾	21	8¾	7	6⅜	22	10⅝	7	11	24	0¼	8	3⅝	25	2¾	8	8⅛	26	4⅝
7	1⅞	21	9⅛	7	6½	22	11	7	11¼	24	0⅞	8	3¾	25	3⅛	8	8¼	26	5
7	2	21	9¼	7	6⅝	22	11⅜	7	11½	24	1¼	8	3⅞	25	3½	8	8⅜	26	5½
7	2⅛	21	9⅞	7	6¾	22	11¾	7	11⅝	24	1⅝	8	4	25	3⅞	8	8½	26	5⅞
7	2¼	21	10¼	7	6⅞	23	0⅛	7	11¾	24	2	8	4⅛	25	4¼	8	8⅝	26	6⅛
7	2⅜	21	10⅝	7	7	23	0½	7	11⅞	24	2⅜	8	4¼	25	4⅝	8	8¾	26	6½
7	2½	21	11	7	7⅛	23	0⅞	7	11⅞	24	2⅞	8	4⅜	25	5	8	8⅞	26	7
7	2⅝	21	11½	7	7¼	23	1½	7	11⅞	24	3⅛								

Note.—No allowance is made for welding.

CIRCULAR MOTION.

Number of teeth in change wheels for screw cutting, the leading screw being ¼ an inch pitch, or containing two threads to the inch.

SECTION 2.—TABLE 5.

No. of threads in 1 inch of screw to cut.	No. of teeth in			
	Lathe spindle wheel.	Leading Screw wheel.		
1	80	40		
1¼	80	50		
1½	80	60		
1¾	80	70		
2	80	80		
2¼	80	90		
2½	80	100		
2¾	80	110		
3	80	120		
3¼	80	130		
3½	80	140		
3¾	80	150		
4	40	80		
4¼	40	85		
4½	40	90		
4¾	40	95		
5	40	100		
5½	40	110		
6	40	120		
6½	40	130		
7	40	140		
7½	40	150		
8	30	120		

No. of threads in 1 inch of screw to cut.	No. of teeth in			
	Lathe spindle wheel.	Wheel in contact spindle wh.	Pinion in contact screw whl.	Leading screw wheel.
8½	90	85	20	90
8¾	90	90	20	95
9	90	95	20	100
9½	90	100	20	105
10	60	75	20	80
10½	60	80	20	85
11	60	85	20	90
11½	60	90	20	95
12	60	90	20	100
12½	60	95	20	105
13	60	100	20	110
13½	60	105	20	115
14	60	110	20	120
14½	60	115	20	125
15	60	120	20	130
15½	60	125	20	135
16	60	130	20	140
16½	60	135	20	145
17	60	140	20	150
17½	60	145	20	155
18	60	150	20	160
18½	40	90	20	100

No. of threads in 1 inch of screw to cut.	No. of teeth in			
	Lathe spindle wheel.	Wheel in contact spindle wh.	Pinion in contact screw whl.	Leading screw wheel.
19	50	95	20	100
19½	80	120	20	130
20	40	90	20	120
21	80	120	20	140
22	60	110	20	120
22½	80	130	20	150
23	60	120	20	140
23½	80	130	20	150
24	40	95	20	110
25	60	120	20	140
25½	30	85	20	90
26	70	130	20	140
27	40	90	20	120
27½	40	100	20	110
28	75	140	20	150
28½	30	90	20	95
30	70	140	20	150
32	30	80	20	120
33	40	110	20	120
34	30	85	20	120
35	60	140	20	150
36	30	90	20	120

SCREW TAPS.

Number of threads per inch, rise of thread, and size of nut in the hole, previous to being screwed.—Whitworth's Pitch, Manchester, England.

SECTION II.—TABLE 6.

Diameter of tap in inches.	No. of threads per inch.	Size of nut in hole.	Rise of thread.
1/16 and 1/8	13	3/32 and 1/16	1/16 nearly.
0 7/16	12	0 3/16	1/16
0 1/4	12	0 1/4 1/32	3/32
0 5/16	11	0 1/4	1/8
0 3/8	10	0 1/4 3/32	3/32
0 7/16	9	0 1/4 1/8	3/32
1	8	0 1/4 3/16 sct.	1/16 sct.
1 1/8	7	0 1/4 1/16	1/16
1 1/4	7	1 1/16	1/16
1 3/8	6	1 1/8 stif.	1/4 sct.
1 1/2	6	1 1/4 stif.	1/4 sct.
1 5/8	5	1 1/4 1/32	3/32
1 3/4	5	1 1/4 1/8	3/32
1 7/8	4 1/2	1 5/16	1/16
2	4 1/2	1 1/4 1/16	1/16
2 1/8	4	1 3/4	1/8
2 1/4	4	1 7/8	1/8
2 3/8	4	2	1/8
2 1/2	4	2 1/8	1/8

TABLE GAUGES FOR NUTS.

The sizes given are Stephenson's, Newcastle-on-Tyne, England.

SECTION II.—TABLE 7.

Diam. of bolt in inches.	Nut over flats in inches.	Depth of nut in inch.	Thickn. of bolt-hd., inch	Diam. of bolt in inches.	Nut over flats in inches.	Depth of nut in inch.	Thickn. of bolt-hd., inch
1/8	5/16	1/8	1/4	1 7/8	3	1 7/8	1 5/16
1/16	1 1/16	1/16	1/16	2	3 1/8	2	1 3/8
1/8	3/4	1/8	1/8	2 1/8	3 1/4	2 1/8	1 7/8
5/16	1	1/8	1/8	2 1/4	3 1/2	2 1/4	2
3/4	1 1/8	3/4	1/16	2 1/8	3 3/4	2 3/8	2 1/4
7/8	1 3/8	7/8	5/16	2 3/4	4	2 5/8	2 1/4
1	1 1/4	1	3/4	3	4 1/8	2 3/4	2 3/4
1 1/8	1 3/4	1 1/8	7/8	3 1/4	4 3/4	3	3
1 1/4	2	1 1/4	1	3 1/2	5	3 1/2	,,
1 3/8	2 1/8	1 3/8	1 1/16	3 3/4	5 1/4	3 3/8	,,
1 1/2	2 3/8	1 1/2	1 1/4	4	5 5/8	3 1/2	,,
1 5/8	2 5/8	1 5/8	1 3/8	4 1/2	5 7/8	3 3/4	,,
1 3/4	2 3/4	1 3/4	1 1/2	4 1/2	6 1/8	3 7/8	,,

RULES FOR FINDING THE PITCH, DIAMETER, AND CIRCUMFERENCE OF COG WHEELS.

1st. To find the pitch of the teeth of a wheel, the diameter and number of teeth being given. Divide the diameter (in inches) by the number of teeth, and multiply the quotient by 3·1416; the product will be the pitch in inches or parts of an inch. Or, multiply the diameter by 3·1416, and divide the product by the number of teeth. For example, let the diameter be 47¾ inches, and number of teeth 60; then 47¾ or 47·75 × 3·1416, ÷ 60 = 2·5 inches, equal pitch of wheel.

2nd. To find the diameter of a wheel, the number of teeth and pitch being given.

Rule.—Multiply the number of teeth by the pitch; then divide the product by 3·1416.

Let the number of teeth be 60, and the pitch 2½ inches.

Then, 2½ inches, or 60 × 2·5 ÷ 3·1416 = 47·746. This is as near as the decimal will give.

Hence, 47¾ inches is the diameter of the wheel.

3rd. Given to find the number of teeth, the diameter and pitch being given.

Rule.—Multiply the diameter by 3·1416; then divide by the pitch.

Let the diameter be 47¾ inches, and pitch 2½ inches, as above.

Hence, 47·75 × 3·1416 ÷ 2·5 = 60, the number of teeth.

Therefore, the number of teeth being 60, and the pitch 2½ inches, the circumference of the wheel will be 150 inches.

Thus, you will perceive that the diameters, circumferences, and pitches of wheels, of any given dimensions, may be found in a similar manner.

DEFINITIONS OF THE CIRCLE.

1st. Diameter × 3·1416 = circumference.

2nd. $\frac{\text{Circumference}}{3{\cdot}1416}$ = diameter.

3rd. ½ circumference × radius = area.

Example.—Given a circle whose diameter is 14 inches, we have—

1st. $14 \times 3{\cdot}1416 = 43{\cdot}9824$, the circumference.

2nd. $\frac{43{\cdot}9824}{3{\cdot}1416} = 14$, diameter.

3rd. Diameter $\div 2$ = radius.

Thus, $\frac{14}{2} = 7$, equal radius.

Hence, $\frac{1}{4}$ (43·9824) $\times 7 = 153{\cdot}9384$, the area.

Or, Diameter $14^2 \times {\cdot}7854 = 153{\cdot}9384$ = area.

PULLEY STRAP MOTION AND CONE SPEEDS.

Given to find the number of revolutions made by a fan blast, connected by 4 sheaves of the following dimensions:—No. 1 driver, equal 9 feet diameter; No. 2 driven, equal 2 feet diameter; No. 3 driver, equal 5 feet diameter; and No. 4 driven, equal 1 foot diameter; the engine running 50 strokes per minute.

Rule.—Multiply all the drivers' diameters, in feet, inches, and parts together. Multiply all the driven diameters, in feet, inches, and parts together. Then divide the sum of the drivers by the sum of the driven. Lastly, multiply that quotient by the number of revolutions per minute which the engine is making.

Here, $9 \times 5 = 45$ = drivers; and $2 \times 1 = 2$ = driven.

Hence, $45 \div 2 \times 50 = 1125$ revolutions per minute.

Case 2.—Suppose No. 4 sheave to be 9 inches diameter, what will then be result.

Thus, $9 \times 5 = 45$; and $2 \times {\cdot}75 = 1{\cdot}50$.

Whence, $45 \div 1{\cdot}50 \times 50 = 1500$ revolutions.

Again, if No. 4 sheave were 6 inches in diameter, what would then be the number of revolutions? Ans. 2250.

Transpose drivers into driven, and we have the motion inverted, by $1{\cdot}50 \div 45 = {\cdot}333$ decimal $\times 50 = 16{\cdot}650$, or $16\frac{2}{3}$ revolutions in one minute.

Cone Speeds, or Conic Sheaves, for Lathes and other Machines.—One set of speeds are inverted to the other; that is, when the belt is on the large speed in the lathe, it will be on the small one on the driving shaft; and *vice versa*.

Suppose the cones to vary in their diameter from 4¼ to 15¼ inches, and the belt couples these two diameters, viz., 15¼ drives 4¼, what is the result?

Now, it is evident that as many times as you can take 4¼ out of 15¼, that will be the speed gained. Thus, 15·5 ÷ 4·5 = 3·444 to 1 gained or $3\frac{4}{10}$; and if the driving shaft be making 50 revolutions per minute, we find, by substituting these values, that as 50 : 1 :: 3·444 : 172·200 revolutions, or 172¼ nearly.

Case 2.—Transpose 4¼ to drive 15¼; the speed of the engine same as in the last example.

Here, 4·50 ÷ 15·5 = ·29 × 50 = 14·50, or 14½ revolutions per minute.

MENSURATION.

Mensuration is the most simple, intelligible, and rational of all branches connected with mathematics; and it is the knowledge of this science that forms the great national bulwark of every civilized country. This branch of learning may be traced to the Egyptians, and from them to the Greeks; and it is immortalized with the names of Eudoxis, Euclid, Archimedes, Cavalerius, Vanculen, Newton, Bonnycastle, Hutton, Nesbit, and a great many eminent engineers, which would require a volume of itself to do justice to their characters.

The following question will show you the true value of any decimal proportion when carried to its utmost limits.

What is the diameter of a circle, the circumference of which is 88?

The decimal proportion given by mathematicians for a circle, the diameter of which is 1, is equal to 3·14159265, &c., circumference. But to do away with the great multiplicity of decimal figures, we say, as 1 is to 3·1416, so is the proportion of every diameter to its circumference.

Hence, as 3·1416 : 1 :: 88 : 28·01120, &c.' to the diameter.

And, as 1 : 3·1416 :: 28·01120 : 87·999 = circumference.

28·011204481792717086834733893557422969187675070 0
3·1416

168067226890756302521008403361344537815126050420 0
280112044817927170868347338935574229691876750700
112044817927170868347338935574229691876750700 2800
280112044817927170868347338935574229691876750700
840336134453781512605042016806722689075630252100

87·999999999999999999999999999999999999999999991200

Note.—The real circumference is 88; but the whole number has never yet been found. The fact of this circle repeating at the 46th decimal place, proves its correctness, and will give ·9 for ever; hence, we call 9 a whole number. Therefore, circumference is equal to 88·

MECHANICAL EXERCISES.

PRACTICAL NOTES ON THE MAKING OF COG-WHEEL PATTERNS.

I.—The number of teeth and pitch of a wheel being given, to find the diameter.

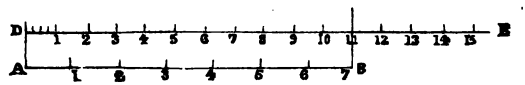
The most convenient mechanical mode of solving the problem is thus:—

Draw the line A B, and from the point A lay off the pitch *seven* times to B; then draw a line D E parallel to it, and say one-half longer. Upon D E. mark off the length A B, and divide it into *eleven* equal parts, continuing the same scale of division farther at pleasure. (In the figure, the division is continued to 15 parts.) Now, each of these divisions upon the line D E counts *four* teeth to the radius of the pitch line. Thus. if 56 teeth be wanted, then 14 of the divisions on D E must be taken as the radius, because 14 × 4 = 56. If an odd number of teeth be wanted, then the first division on D E must be subdivided into *four* equal parts, each of which will count *one* tooth in the radius required. Thus, if 59 teeth be wanted, then,

the radius of the wheel will be 14¾ divisions upon D E, because 14¾ × 4 = 56 + 3 = 59.

Example.—Required the diameter of a wheel, the pitch being 2 inches, and the number of teeth 48.

Fig. 1.



Here the line A B = 14 inches; and eleven divisions upon D E also = 14 inches; therefore, one of these divisions is equivalent to the eleventh part of 14 inches; that is, $1\frac{3}{11}$ inch. Now, each of these divisions, considered as units of the radius, counts 4 teeth; and as the wheel is to have 48 teeth, the radius will have $\frac{48}{4}$ = 12 such units; that is, 12 times $1\frac{3}{11}$ inch = $15\frac{9}{11}$ inches. The diameter sought is therefore $30\frac{8}{11}$ inches.

The same may be done more simply and more directly by this arithmetical rule;—Multiply the number of teeth by the pitch, and the product by ·16 for the radius, or by 32 for the diameter.

Thus, 48 = number of teeth.	Or, 48 = number of teeth.
2 = the pitch.	2 = the pitch.
96	96
·16	·32
15·36 = the radius.	30·72 = the diameter.

This rule is identical in principle with that for finding the diameter of a wheel, when the pitch and number of teeth are given, as in page 414. Instead, however, of dividing by 3·1416, we multiply by its reciprocal, namely, $\frac{1}{3\cdot1416} = \cdot3183$ .... or ·32 nearly for the diameter, and by $\cdot\frac{1}{2} = 16$ for the radius. We have therefore these rules,—

Number of teeth × pitch × ·16 = radius.
Or, Number of teeth × pitch × ·32 = diameter.

II.—From this rule for finding the radius or diameter of a wheel when the number of teeth and pitch are given, we can easily deduce the rule for finding the pitch when the radius or diameter and number of teeth are known. Thus, it is clear that if the rule be true, then must the following be true also; namely—

$$\frac{\text{Radius}}{\text{No. of teeth} \times \cdot16} = \text{pitch.}$$

$$\text{And} \quad \frac{\text{Diameter}}{\text{No. of teeth} \times \cdot 32} = \text{pitch.}$$

For example, the radius being = 15·36 inches, and the number of th = 48, then to find the pitch we have

$$\frac{15{\cdot}36 \text{ inches}}{48 \times \cdot 16} = \frac{15{\cdot}36 \text{ inches}}{7{\cdot}68} = 2 \text{ inches pitch.}$$

The rule expressed in words is this:—*Multiply the number of teeth* ·16, *and divide the radius by the product, and the quotient is the responding pitch.*

III.—Similarly, to find the number of teeth, the radius and pitch ng given, we have

$$\frac{\text{Radius}}{\text{Pitch} \times \cdot 16} = \text{number of teeth.}$$

$$\frac{\text{Diameter}}{\text{Pitch} \times \cdot 32} = \text{number of teeth.}$$

That is—*Multiply the given pitch (in inches or parts of an inch) by* , *and divide the radius (also expressed in inches) by the product, and* : *quotient is the number of teeth corresponding,*

As an example of the application of this rule, let the radius, as be- e, be 15·36 inches and the pitch 2 inches, then we have

$$\frac{15{\cdot}36 \text{ inches}}{2 \text{ inches} \times \cdot 16} = \frac{15{\cdot}36 \text{ inches}}{\cdot 32 \text{ inch}} = 48, \text{ the number of teeth.}$$

It is hardly necessary to observe, that these rules are not *perfectly* curate; it is impossible, indeed, to make them so; but they are fficiently near approximations for practical purposes.

IV.—To determine the proportions of a wheel, we have the following mpirical rule:—

Divide the pitch into 15 equal parts; take 7 of these parts for the ickness of the teeth, and 12 of them for its length, namely, 5¼ from e pitch line to the point, and 6¼ from the pitch line to the root. ake the rim = the thickness of the tooth; arms = do.; and boss : in thickness to the pitch.

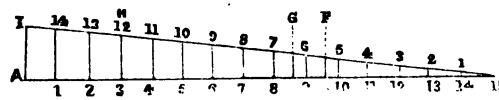
Or, by calculation, we have

$$\left.\begin{array}{l} \text{Pitch} \times \cdot 48 = \text{Thickness} \\ \text{Pitch} \times \cdot 8 = \text{Length} \end{array}\right\} \text{of tooth.}$$

The following is the mode of dividing the pitch into 15 equal parts, as required by the rule :—

In the diagram, fig. 2, draw the line A C, and mark off upon it 15 equal parts as required ; draw A I perpendicular to A C, and equal to

Fig. 2.



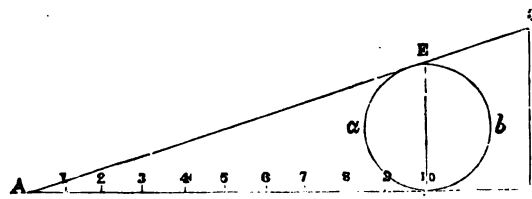
the given pitch ; then draw I C, and in the triangle formed draw the 15 parallels to A I, and the pitch will be divided as required.

From the diagram, to get the thickness of the tooth, set one point of the compasses at 7 in the line I C, and the other at 8 on the line A C ; the line joining these points is the measure of the thickness of the tooth.

Similarly, the line H joining the points 12 in the line I C, and 3 in the line A C, is the measure of the length of the tooth ; and this is equivalent to $5\frac{1}{2}$ = the line F, and $6\frac{1}{2}$ = the line G.

Another way of getting the diameter from the pitch is this,—Draw

Fig. 3.



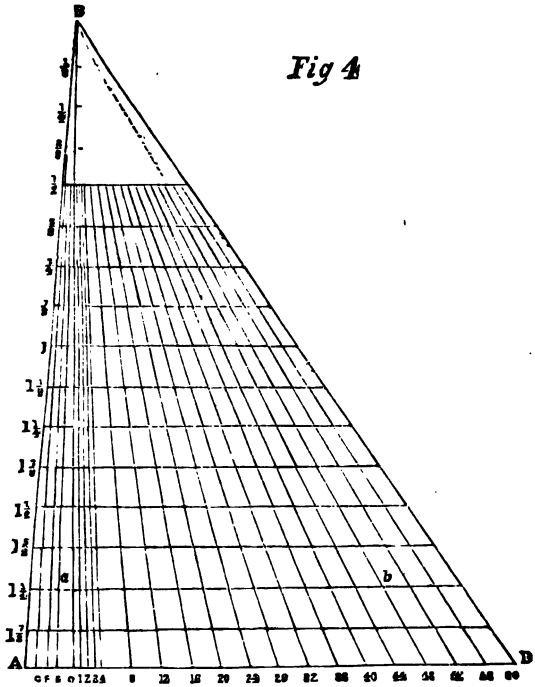
the line A B = 22 ; then from B draw B C = 7, and perpendicular to A B. Next draw A C, and the scale is complete.

For a wheel of 10 teeth, lay off the pitch 10 times to D, and draw D E parallel to B C, and it will be the diameter of the pitch circle D *a* E *b*. It will also be the radius of a wheel of 20 teeth, and half the radius of one of 40 teeth, and so on, of the given pitch.

Fig. 4 is a scale of a still more convenient kind, and ought to be constructed of a large size for general use in workshops, as it not only saves time, but the wheels made by it are all of the same propor-

tion of parts. The diameter of any wheel is found from it simultaneously with the thickness of tooth, width of space, &c. As here laid down, the scale is adapted to wheels of any pitch, from ¼ inch to 2 inches inclusive, ½th the size.

Fig 4



The method of making the scale is the following:—Draw the line A D, and from C draw C B perpendicular to A D. Transfer the divisions 1, 2, 3, 4, &c., from D E of Fig. 1 to C D of Fig. 4, and number the parts thus transferred 4, 8, 12, 16, 20, &c., as each division of the primary scale is equal to four teeth. Next transfer the line A I of Fig. 2 to C A of Fig. 4, and this is equal to the pitch. Divide the line C B into 16 equal parts to B, and join B A and B D. Through the points of division on the line C B draw lines parallel to A D, terminating in A B and D B. Then each parallel from the line C B to

its point of termination in D B, is the radius of a wheel with 60 teeth of the particular pitch marked against it on the line A B. Similarly the parallels express the radius of any wheel having less than 60 teeth when measured only to the corresponding point in the line joining E and the divisional point on C D, against which the number of teeth is found. Thus, the radius of a wheel of 48 teeth and 1¼ inch pitch is $a\ b = 16{\cdot}36$ inches.

For the proportions of the teeth, rim, &c., set off C G equal to the length of the tooth = 12-*fifteenths* of the pitch; that is = the line E in Fig. 2; also the thickness of the tooth, arm, and rim C F = 7 *fifteenths* of the pitch; the length of the tooth from the pitch-line to the point = C E = 5¼-*fifteenths* of the pitch, that is F in Fig. 2; and the length of the tooth from the pitch-line to the root = E G = 6 *fifteenths* of the pitch; that is the line G in Fig. 2.

This scale may be used when the number of teeth exceeds 60 thus, for a wheel of 92 teeth and 2 inch pitch, the radius is found by setting off in the compasses the whole line C D, and also that part of it from C to the point marked 32. For odd teeth, make use of the first four divisions, as explained under Fig. 1.

THE STEAM ENGINE.

In giving details of the steam engine, we shall touch upon all that is useful in its construction.

The first great essential is a cylinder, generally made of cast iron. Attached to it are nozzles, pipes, valves, &c., which are used for the purpose of alternate admission and emission of steam to and from the cylinder. The valves are of different shapes and forms; some being conical, some slide, and others are fashioned after the manner of cocks; and their motions being given by ingenious contrivances, such as eccentrics, levers, hand gear, &c.

The eccentric is nothing more than a cast iron circular sheave, with a hole through it, more near to one side than the other. The sheave is fixed upon the engine shaft, and rods connect the slide valve.

may be said to be the first communicator to the engine department, and is in a similar position to the engine with that of the pendulum to the clock; the former describing a sliding, and the latter a vibratory motion. Each will continue to move so long as its maintaining power is kept up; the one depending upon weights or springs, and the other upon the elastic force of steam, admitted into the slide-chest. To render the eccentric as effective as possible, the apertures or steam openings to the cylinder are of a certain proportion, and made as long as the cylinder's diameter will properly admit; so that by a small movement of the valve, a large opening may be gained. In condensing engines, it is common to allow the area of each opening or steam way to equal $\frac{1}{80}$th, and in high pressure engines, $\frac{1}{11}$th of the square of the cylinder's diameter.

To enable the eccentric to approximate hand gear, the slide valve (or valves) are placed at a certain distance in advance of the piston, and are termed the lead of the valve, so that at each return of stroke, the steam in the cylinder may sooner approach to an equal density with that in the boiler. Where speed is essential, and high velocities are to be attained, the lead of the valve is of material advantage in cutting off the steam before the engine completes its full length of stroke; but where power is the object, it requires the steam to be continued to the end of the stroke.

We have here illustrated the two extremes of mechanical power. The one point is that of running at full speed, and carrying no weight: the other is that of being loaded until the engine cannot move. The duty, then, of the practical mind, is to study the useful effect.

The following are the results given by engineers of passenger steam-packets and locomotive engines:—

When the lead of the valve is	0,		the velocity	= 1·
,,	,,	¼ inch,	,,	= 1·016
,,	,,	½ inch,	,,	= 1.032
,,	,,	¾ inch,	,,	= 1·048
,,	,,	⅞ inch,	,,	= 1·075
,,	,,	1 inch,	,,	= 1·103

STEAM

Is an elastic gaseous body, comprised of water combined with calorie or heat, transparent and colourless until it comes in contact with the atmosphere, when it becomes a dense white mass, and ultimately returns to water again.

At 212° Faht. scale, it is equal to 14·7 lb. avoirdupois per square inch, or the pressure of the atmosphere; one cubic inch of water producing one cubic foot of steam. In round numbers, we say, atmospheric pressure equal 15 lb. per square inch upon every inch of surface which our globe contains. Steam is very commonly raised to the pressure of four atmospheres, and may with safety be augmented even beyond that, provided due caution be taken to suit the boiler to the pressure required, and make it of good material.

In the steam engine, highly rarified steam is of considerably more advantage than steam of a sott or moderate elastic force, as the following tables will exhibit:—

ELASTICITY OF STEAM, BY M. ARAGO AND OTHERS.

SECTION II.—TABLE 8.

Elasticity of steam, the pressure of the atmosphere being 1.	Corresponding temperature in degrees of Fahrenheit.	Elasticity of steam, the pressure of the atmosphere being 1.	Corresponding temperature in degrees of Fahrenheit.
1	212	13	380·66
1½	234	14	386·94
2	250·5	15	392·36
2½	263·8	16	398·48
3	275·2	17	403·83
3½	285	18	408·92
4	293·7	19	413·78
4½	300·3	20	418·46
5	307·5	21	422·96
5½	314·24	22	427·28
6	320·36	23	431·42
6½	326·26	24	435·56
7	331·7	25	439·34
7½	336·86	30	457·16
8	341·78	35	472·73
9	350·78	40	486·59
10	358·78	45	499·14
11	366·85	50	510·6
12	374		

SECTION 2.—TABLE 9.

Elastic force in atmospheres.	Elastic force in lbs. per square inch.	Degrees of heat.	Difference of temperature.	Volume in cubic feet, water being 1.	Velocity into a vacuum in feet per second.
1	14·7	212° F.		1711	1566
2	29·4	250·52	38·52° F.	905	1610
3	44·1	275·18	24·66	623	1638
4	58·8	293·72	18·54	479	1658
5	73·5	308·84	15·12	394	1674
6	88·2	320·36	11·52	331	1688
7	102·9	331·70	11·34	288	1700
8	117·6	341·96	10·26	255	1710
9	132·3	350·78	8·82	229	1720
10	147·0	358·88	8·10	209	1729
12	176·4	374·00	15·12	190	1742
15	180·5	392·86	18·86	135	1765
20	294·0	418·45	25·59	111	1786
30	441·0	457·16	38·71	77	1823
50	735·0	510·60	53·44	42	1873

Hence it follows, by the preceding table, that as small accessions of heat produce a rapid increase of expansive force, small abstractions of heat will also reduce highly elastic steam in an equal degree. When an engine is about to be set in motion, the steam has to overcome all the standing machinery, friction, and inertia of the whole mass; but when once set in motion, the impetus acquired continues it in that state for a time, independently of the action of steam, friction being the only thing to encounter. Therefore, if steam continue to act as forcibly as at first, it will communicate additional force to the piston, and will perform its stroke with accelerated velocity.

The following table will shew the elevation of steam at additional pressures beyond the atmosphere, and the increase of water required to maintain the same:—

SECTION 2.—TABLE 10.

Atmospheres.	lbs. per square inch above the atmosphere.	Temperature in degrees of Fahrenheit.	Volume of steam, water being 1.	Cubic inches of water in a cubic foot of steam.	Elastic force in inches of mercury.	Elastic force in feet of water.
1·19	2·5	220° F.	1496	1·14	5·15	5·76
1·22	3	222	1453	1·18	6·18	6·91
1·29	4	225	1366	1·25	8·24	9·22
1·36	5	228	1282	1·33	10·3	11·52
1·70	10	249	1044	1·64	20·6	23·05
2·04	15	251	883	1·93	30·9	34·57
2·38	20	260	767	2·23	41·2	46·10
2·72	25	268	678	2·52	51·5	57·62
3·06	30	275	609	2·81	61·8	69·15
3·40	35	282	553	3·09	72·1	80·67
3·74	40	288	506	3·38	82·4	92·20
4·08	45	294	468	3·66	92·7	103·72
4·42	50	299	435	3·93	103·0	115·25
4·76	55	304	407	4·20	113·3	126·77
5·10	60	309	382	4·48	123·6	138·30

Hence, it will be observed from the above, that water enclosed in a steam-tight boiler, may be made to imbibe caloric until the steam becomes so strong that it would tear the strongest boiler to pieces; to prevent which, the safety valve is introduced; and according to our practice, is nothing more than a common mitre brass valve, and varies in size according to the different dimensions of boilers. For marine boilers, it varies from 4 to 5 inches in diameter; for locomotive and stationary boilers, from 3 to 4 inches in diameter are the general sizes.

HOW TO ASCERTAIN THE AREA OF THE VALVE.

Rule.—Multiply the diameter by the diameter, which is called squaring the diameter, and the product is the circular area. To obtain the square area, we multiply by ·7854, and this will give the superficial contents in square inches. Consequently, the weight on the safety valve, in avoirdupois pounds, divided by the area in circular or square inches, is equal to the pressure in pounds on each circular or square inch of the boiler.

LOAD ON THE VALVE.

Rule.—When the weight is placed direct upon the valve, thus; area of valve multiply pressure per square inch, equal whole weight; and also whole weight divide area of valve, equal pressure per square inch.

Example.—Diameter of valve equal 4 inches, loaded with 50 pounds to the square inch. What weight is there upon the valve?

Here—$4^2 \times \cdot7854 \times 50 = 628{\cdot}32$ lbs. = whole weight upon the valve.

Or thus—4 squared, multiply ·7854 = 12·5664, or 12½ square inches multiply by 50 pounds equal 628·3200, or 628 lbs. 5 oz. = whole load upon the valve.

Case 2.—628·3200 lbs. being upon the valve, what is the pressure in pounds per square inch?

Here—$4^2 \times \cdot7854 = 12{\cdot}5664 \div 628{\cdot}32 = 50$ pounds per square inch.

When safety valves are loaded with a lever weight, it then becomes necessary to understand the nature and action of such contrivances. As there is no proper rule for calculating this connection of the lever, I have inserted here the action of 6 different dimensions of levers.

Thus—A lever 20 inches long, from centre of fulcrum to where the weight is suspended, and 2 inches long from fulcrum to centre of valve, the weight of the lever being 4 lbs. 9 oz. Required, the amount of weight to counterpoise it. To obtain this test, we suspend weights from the hole which takes the fulcrum pin, and rests the pivot which acts upon the valve as the centre of motion.

Test—

No. 1 lever 20 in. by 2 in. fulcrum, by 4 lb. 9 oz. takes 19 lb. to poise it.

2	..	20	..	3	.....	4 lb. 9 oz.	..	12
3	..	24	..	2	.....	5 lb.	.....	28
4	..	24	..	2½	.....	5 lb.	.....	21
5	..	24	..	3	.....	5 lb.	.....	16
6	..	24	..	3½	.....	5 lb.	.....	13½

The popular rule for calculating the action of the lever upon the valve is so far from the actual truth, that I could not adopt it, viz., divide the whole length of lever by the length from fulcrum to valve, and that quotient by half the weight of the lever. A nearer approximation is to divide the whole length of lever by length of fulcrum to valve, and that quotient by the square root of the weight of the lever.

Example on No. 4 lever.—Thus, $24 \div 2{\cdot}5 = 9{\cdot}6$. Then the square root of the weight of lever.

Here, $\sqrt{5 \text{ lbs.}} = 2{\cdot}236 \times 9{\cdot}6 = 21{\cdot}4656$ lbs or 21½ lbs. This gives nearly ½ lb too much. The same on No. 3 test would bring the action of lever 1½ lb. too little.

Having substituted the above formula, there will be no difficulty in adjusting the load which the safety valve ought to bear.

Example 2.—Suppose we wish to blow the steam off at 50 lb. square inch, and we select No. 2 lever for our purpose. What weight will we require to be hung at the end of the lever?

Here, lever 20 inches long by 2 inches fulcrum by 4 lb. 9 oz. = 19 lb.

Then deduct 19 lb. from 50 lb. = 31 lb., the weight to be hung at the lever end.

Select No. 3 lever, and blow off at 60 lb. square inch. What will then be the result?

Thus, 24 by 2 inches fulcrum by 5 lb. = 28 lb. Hence, deduct 28 from 60 leaves 32 lb. to be hung on lever end.

A lever 24 inches long, with 2 inches fulcrum. Weighs—5 lb., actuated by 28 lb. riding over a valve 3 inches diameter; valve and pivot being 4 lb. weight; with 32 lb. weight hung at the end of the lever. Required, the total pressure on the valve; likewise, the pressure in pounds per square inch.

Here, according to formula—Valve No. 3, supposed to be 3 inches diameter.

Hence, $3^2 \times \cdot 7854 = 7 \cdot 0686$ or 7 square inches.

Whence, $28 \times 7 = 195$ and 32×7 plus 4 lbs weight of valve$=228$.

Therefore, $196 + 228 = 424$ lbs. total pressure upon the valve, and 424 lbs. $\div 7 = 60$ lbs. per square inch.

Again, suppose we graduate the lever No. 3, it being 22 inches long from the valve to the end where the weight is suspended.

Thus, 22 inches divide $5\frac{1}{2} = 4$ divisions. Required, the weight when removed to each division alternately.

Here, by Rule of Three—22 : 60 :: $5\frac{1}{2}$: 15 lbs. = first division. 22 : 60 :: 11 : 30 lbs. = second division. 22 : 60 :: $16\frac{1}{2}$: 45 lbs. = third division. Then, 22 : 60 :: 22 : 60 = 60 lbs. lever end.

In resolving these values, the young mechanic will not fail to be instructed.

When a spring balance is applied to the lever of the safety valve, the distance between the fulcrum and valve equals the diameter of valve in inches; and the distance between fulcrum and spring balance, or the end of lever, equals as many times the diameter of the valve as there are square inches in its area.

WORK OF STEAM USED EXPANSIVELY.

When steam is used expansively, it is allowed to enter the cylinder for only a part of the stroke; and, for the remaining portion, the piston is moved by the expansive force of the steam. This is the most ingenious, as well as the most economical, way of employing steam power, as all the available work is taken out of the elastic vapour before it is condensed. It is worthy of remark that, with the increase of the volume of steam, or any elastic fluid, its elasticity or pressure is decreased at the same ratio; that is to say, if its volume be increased two times, its pressure will be only one-half what it was at first, and so on.

If an engine have a 3 feet 10 inch stroke, and the steam be cut off at 2 feet 4 inches, let the space through which the steam acts expansively be divided into 6 equal parts, and each interval will be expressed by a ¼ foot. Now the rule given by Simpson is generally adopted, viz., "To the sum of the extreme ordinates add 4 four times the sum of the even ordinates, and two times the sum of the odd ordinates; then this sum, multiplied by ¼ the common distance between the ordinates, will give the area," according to Marriotte's law.

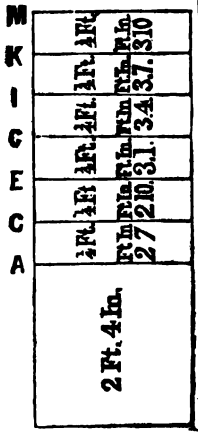
Example 1.—In a condensing engine, the length of stroke being 3 feet 10 inches, the steam is cut off at 2 feet 4 inches of the stroke, the pressure of the steam in the cylinder being 20 lbs., and the elasticity of the vapour in the condenser is 4 lbs. Required, the work performed upon one inch of the piston in one stroke.

As the 6 divisions or ordinates, designated by letters, are ¼ foot or 3 inches apart, it follows that 2 feet 4 inches plus 6 times three inches gives 3 feet 10 inches = stroke.

Let A.B., C.D., E.F., &c., in figure, represent the series of ordinates, ¼ foot apart; steam being admitted into the cylinder of the elastic force of 20 lb. to the square inch; and if we cut the steam off when the piston is at A.B., 2 feet 4 inches of the stroke, it is evident that the remaining part of the stroke, viz., 1 foot 6 inches, will be completed by the expansion of the steam. And, according to Marriotte's law, we have for each interval the corresponding units of pressure indicated by the divisional lines in figure, from A.B. to M.N.

Let A.B. represent pressure of steam; multiply length of stroke in feet and decimal parts to where steam is cut off. Divide A.B. plus ¼ foot, equal C.D. Continue the operation, and similar results will follow for each separate ordinate.

Hence,—A.B. = 20 lb.



$$C.D. = \frac{2{\cdot}33 \times 20}{2{\cdot}58} = 18 \text{ lb.}$$

$$E.F. = \frac{2{\cdot}33 \times 20}{2{\cdot}83} = 16{\cdot}46 \text{ lb.}$$

$$G.H. = \frac{2{\cdot}33 \times 20}{3{\cdot}08} = 15{\cdot}16 \text{ lb.}$$

$$I.J. = \frac{2{\cdot}33 \times 20}{3{\cdot}33} = 13{\cdot}09 \text{ lb.}$$

$$K.L. = \frac{2{\cdot}33 \times 20}{3{\cdot}58} = 13 \text{ lb.}$$

$$M.N. = \frac{2{\cdot}33 \times 20}{3{\cdot}83} = 12{\cdot}19 \text{ lb.}$$

Then, plus 2, extreme ordinates 20 lb. + 12·19 lb. = 32·19 lb.

Plus 4 times the sum of the even ordinates, thus, 4 (18 + 15·16 + 13) = 184·64.

Plus 2 times the sum of the odd ordinates, thus, 2 (16·46 + 13·09) = 59·10.

Total sum of ordinates = 275·93.

Then multiply $\frac{1}{4}$ of $\frac{1}{4}$ foot, thus, ·083 × 275·93 = 22·90 lb=area.

Or thus, 20 + 12·19 + 4 (18 + 15·16 + 13) + 2 (16·46 + 13·09) = 275·93 × ·083 = 22·90.

Work done before the steam is cut off, that is, A.B. = 20 × 2 feet 4 inches = 46·60.

Work done against the piston by the vapour in the condenser = 3 feet 10 inches × 4 = 15·32.

Hence, total work on 1 inch of piston, 22·90 + 46·60 — 15·32 = 54·18.

Example 2.—Required the same as in the last example, when the stroke is 5 feet, the steam being cut off at 2 feet of the stroke, the ordinates being $\frac{1}{2}$ a foot or 6 inches each interval. The pressure of steam in the cylinder equal 20 lb., and the elasticity of the vapour in condenser equal 4 lb. per square inch.

Here, 20 lb. pressure = A B.

$\frac{2 \times 20}{2\frac{1}{2}}$ = 16 lb., C.D. $\qquad$ $\frac{2 \times 20}{3}$ = 13·33 lb., E.F.

$\frac{2 \times 20}{3\frac{1}{2}}$ = 11·4 lb., G.H. $\qquad$ $\frac{2 \times 20}{4}$ = 10 lb., I.J.

$\frac{2 \times 20}{4\frac{1}{2}}$ = 8·88 lb., K.L. $\qquad$ $\frac{2 \times 20}{5}$ = 8 lb., M.N.

Then, by Simpson's rule, 20 plus 8 plus 4 times (16 plus 11·3 plus ·88) plus 2 times (13·33 plus 10) = 219·78 × by $\frac{1}{3}$ of $\frac{1}{2}$, or ·1666 = 6·61 = area.

Work done before steam is cut off = 2 feet × 20 lb. pressure = 40 lb. plus 36·61 lb. = 76·61 lb, minus work done against the piston by the vapour in the condenser = 4 lb. × 5 feet = 20.

∴ These values give 36·61 plus 40 minus 20 = 56·61

Whence total work on 1 inch of piston = 56·61.

Example 3.—Two oscillating marine condensing engines, whose cylinders are each 42 inches in diameter; steam admitted of the elastic force of 20 lb. per square inch; the length of stroke being 3 feet 10 inches, making 30 strokes per minute, working with piston rods 5 inches in diameter. We desire to know what these values will work up to in effective horses power.

GENERAL RULE FOR FINDING POWER OF ENGINES.

SQUARE the diameter of piston in inches and parts; deduct half the circular area of piston rod; multiply ·7854; multiply length of stroke in feet and decimal parts; multiply number of strokes per minute; multiply number of pounds pressure per square inch of safety valve, minus one-fifth of the whole for modulus or friction; divide 33000, equal horses power.

In the above example,

42 × 42 — 12·5, half area of piston rod, × ·7854 × 3·83 × 30 × 20

33000

· $\frac{4}{5}$ = 76·635 = horses power of one engine. Hence, 76·635 + 76·635 = 153·270 horses power. The same values, working 23½ strokes per minute, give 120 horses power.

What would be the speed of a steam ship, with revolving paddles, allowing her to have a 17 feet 6 inch paddle wheel, the rims of the

wheel being 4 inches broad, for which deduct twice four inches, and 1 inch for clearance for floats working, brings the wheel to 16 feet 9 inches diameter, making 30 revolutions per minute. How many miles per hour?

Here—16 feet 9 inches × 3·1416 = 52·6218, or 52 feet 7⅝ inches = one revolution

Then, 52·6218 × 30 revolutions × 60 minutes ÷ 3 feet for yards ÷ 1760 yards for miles = 17·93, or 18 miles nearly per hour. And 60 minutes ÷ 17·93 = 3·34, or 3 minutes 20 seconds in completing one mile.

Case 2.—How many miles per hour will 10 revolutions per minute propel the Great Eastern Steam Ship, whose paddle wheels are 56 feet diameter, supposing the rims of the wheels to be 9 inches broad, and to have revolving paddles.

Here—Deduct twice 9 inches for breadth of rims, and 1 inch for clearance of floats working. This leaves the diameter of wheels 54 feet 5 inches, where the floats lay hold of the water.

Hence, 54·416 feet × 3·1416 × 10 revolutions × 60 minutes ÷ 3 feet ÷ 1760 yards = 19·426 miles, or 19½ miles per hour, nearly.

The same, making 12 revolutions per minute, will complete 23·31, or 23½ miles per hour, nearly.

Case 3.—Suppose the four engines that propel the paddles of the Great Eastern to have steam of the elastic force of 20 lb. per square inch admitted into their cylinders; the pistons moving through 140 feet of space in one minute, thus describing 10 revolutions, equal to 14 feet each, per minute; the diameter of pistons being 74 inches each, and piston rods being 9 inches diameter. We desire to know the horses power that these values will give.

Here, 74 × 74 — ¼ the area of 9 inches for piston rod × ·7854 × 14 × 10 × 20 — ⅓ = 9562653·40800 ÷ 33000 = 289·77 = horses power of one engine.

Hence 289·77 × 4 = 1159·08, or 1159 horses power.

The same, making 12 revolutions per minute, = 1390·92 or 1391 horses nearly.

WORK OF A PUMPING ENGINE CONSIDERED.

Suppose an engine drawing water from a mine 100 fathoms deep, through the aid of three sets of pumps; the bottom set lifts the water 50 fathoms, it being 18 inches diameter in working barrel; the two top sets are each 12 inches diameter, and lift the water to bank, being

50 fathoms more. We desire to know the probable amount of units of labour required to overcome the whole weight of spears, spear plates, wye ends, swords, joints, buckets, clacks, clack bows, bolts, and nuts, together with the column of water. The 18-inch pump is worked with spears 6 inches square; the two 12-inch pumps are worked by spears 4½ inches square, each set made of Memel timber, in 20 feet lengths, or 60 joints in both sets of spears.

Rule to calculate the spears.—Multiply the side of the spear into itself; this is called the square; then multiply by the number of fathoms in the mine; multiply by 6, the number of feet in a fathom; multiply by 12, the number of inches in a foot; then divide the whole by the number of inches in 1 lb., for which refer to Table of Specific Gravities, in which Memel fir stands at 46·876 cubic inches to 1 lb.

Operation.—6 × 6 × 100 × 6 × 12 = 259200 cubic inches ÷ 46·867 = 5530 lb. weight of 6-inch spears.

Then, 4·5 × 4·5 × 100 × 6 × 12 = 145800 cubic inches ÷ 46·867 = 3111 lb. = weight of 4½-inch spears.

60 spear plates, 5 inches by ⅝ inch thick in the middle, taper to ⅜ inch at the ends, for 18-inch pump.

Hence, average ½ thick × 5 inch broad × 9 feet long × 3·33 × 60 = 4495 lb., weight of large spear plates.

60 plates × 4½ by ½ thick × 9 feet long × 3·33 × 60 = 4045·8 lb. weight of small spear plates.

480 by ⅝-inch bolts and nuts for spear plates = 875 lb.

3 wye ends, with buckets, swords, &c. = 1680 lb.

The total of these values, viz., 5530 + 3111 + 4495 + 4045·8 + 875 + 1680 = 19763·8 lb. × ·66 for modulus of pump = 13026·288 + 19736·8 = 32763 lb.

To obtain the weight of the whole column of water, square the diameter of each set of pumps in inches; multiply by ·7854; this will bring them into square inches; add the square areas of the three pumps together; multiply by 50 fathoms; multiply by 6 feet; multiply by 12 inches; divide by 27·648 cubic inches of water in a lb.; this gives 62582·942 lb. = whole weight of water.

Then, plus 32763 lb. weight of spears, &c., equal 95345·942 lb. equal the whole weight that the engine has to lift.

Hence, if an engine be making 6 lifts a minute, describing 8 feet of stroke, it is evident the whole weight will be moved through 48 feet of space in one minute; and the calculation will read thus:—

95345·942 × 6 × 8 = 4576605·216 ÷ 33000 = 138 68, or 138½ horses power nearly.

∴ An engine with a cylinder 72 inches diameter, and a piston rod 9 inches diameter, with steam admitted at the elastic force of 30 lb. per square inch, connected so as to have 8 feet of stroke, and working 6 strokes per minute, will be competent to perform the duties required.

See general rule, page 431, and we have—$72^2 - \frac{1}{4}$ area of piston rod $\times$ ·7854 $\times$ 8 $\times$ 6 $\times$ 30 $- \frac{1}{4} = 4653740{\cdot}04480 \div 33000 = 141$ horses power, sufficient to overcome 138¾ named above.

PENDULUMS AND GOVERNORS.

Rule 1.—The square root of its length multiplied by the number of vibrations per minute, or any given time, are equal to the number of vibrations and length for regulating other pendulums.

A pendulum to vibrate seconds, or 60, in the latitude of London, is 39·1393 inches long.

Hence—$\sqrt{39.1393} \times 60 = 375{\cdot}36$, or 375 will be sufficiently near for the calculations of a governor.

Rule 2.—Divide 375 by the square root of the pendulum's length, and the quotient equal the vibrations per minute, or half the quotient equal the number of revolutions per minute.

Rule 3.—Divide 375 by twice the number of revolutions per minute, and the square of the quotient equal the pendulum's length in inches.

Example 1.—Required, the number of revolutions per minute for a governor, with pendulums 30 inches long.

Thus—

$$\frac{375}{\sqrt{30}} = 68{\cdot}5 \div 2 = 34{\cdot}25 \text{ revolutions per minute.}$$

Case 2—Required, the length of pendulum for a governor, to make 37½ revolutions per minute,

Here—$37{\cdot}5 \times 2 = 75 \div 375 = 5$ and 5 squared $= 25$ inches length of pendulum.

Note—The weight of the balls in avoirdupois lbs. ought to be about 1¼ times the length of the pendulum's in inches, and the levers which connect the throttle valve-rod ought never to exceed the angle of 45 degrees.

Observe—The young student in mechanics must remember that a true mechanical square is at the angle of 90 deg., a quarter of a circle, commonly called a quadrant, and is to all intents a right angle, consequently, the half of the above angle is 45° Obtuse ang'es are larger than 45°; acute angles are less than that number.

GEARING FOR A GOVERNOR ATTACHED TO THE FLY-WHEEL SHAFT.

Rule—Multiply the diameter of the pully or number of teeth in the wheel on the governor spindle, by the velocity of the governor, or number of revolutions per minute, and divide by the number of revolutions per minute in the same time. The quotient will be the pully's diameter, or number of teeth in the wheel on the fly-wheel shaft.

Or, Multiply the velocity of the engine per minute by the diameter of the pully, or number of teeth in the wheel on the fly-wheel shaft, and divide by the required velocity of the governor. The quotient is the pully's diameter, or number of teeth in the wheel on the governor spindle.

Case 1—Suppose an engine and governor to perform as follows :—

Velocity of engine, 37½ revolutions per minute; velocity of governor, 50 revolutions per minute; diameter of pully on fly-wheel shaft, 16 inches; diameter of pully on intermediate shaft, 12 inches; wheel on governor spindle, 40 teeth. Required, the number of teeth in the wheel on the intermediate shaft.

Thus—$\frac{50 \times 40 \times 12}{37{\cdot}5 \times 16} = 40$ teeth

Case 2—Suppose same dimensions as above. Required, the diameter of pully upon the intermediate shaft.

Here—$\frac{37{\cdot}5 \times 16 \times 40}{50 \times 40} = 12$ inches diameter

Required, the diameter of a pully for the governor spindle, so as to perform 40 revolutions per minute: velocity of the engine, 25 revolutions, the pully on the fly-wheel shaft being 16 inches diameter.

Hence—$\frac{25 \times 16}{40} = 10$ inches diameter

PROPORTIONS FOR STEAM SHIPS, LOCOMOTIVES, AND LAND ENGINES (SHAFTING).

For paddle wheel shafts, locomotive crank axles, and axles which connect first movers, take the square root of the power of the engine. Thus, if two engines connected work up to 50 horses power, then 7

inches diameter will be the proper size; if 100 horses, 10 inches diameter will be proper; or if 40 horses, $6\frac{1}{8}$ inches diameter, the square root of 40 being 6·32.

For shafting to screw steamers, where two engines are connected, add the diameter of the two cylinders together, and then take $\frac{1}{10}$th. Thus, if two cylinders, 40 inches each, be fixed for a condensing marine steamer, to work up to 100 horses power—

Read $40 + 40 \div 10 = 8$ inches diameter.

Land engines, if long strokes, $\frac{1}{10}$th, and if short strokes, $\frac{1}{12}$th the cylinder's diameter.

Proportion for piston rods, air pump rods, &c.:—

Piston rods, $\frac{1}{4}$th of the cylinder's diameter, single cylinder. Thus, a cylinder, 40 inches diameter, given to find the diameter of piston rod

Here, $40 \div 8 = 5$ inches diameter for piston rod.

Air-pump rods, $\frac{1}{8}$th the diameter of pump; and then covered with brass all round, about $\frac{1}{16}$ths thick.

Air-pump, $\frac{1}{4}$ the area of the cylinder. Thus, a cylinder, 36 inches diameter, contains a circular area of 1296 inches; $\frac{1}{4}$ off is 432 inches, and would require the air-pump to be $20\frac{3}{4}$ inches diameter.

Thus, $20{\cdot}75^2 = 430{\cdot}36$ inches.

SIZE OF INJECTION COCKS, about $\frac{1}{12}$ of the cylinder's diameter.

BOILER CHIMNEYS—same diameter as cylinder.

TO FIND THE DIAMETER OF THE STEAM PIPE FOR A HIGH PRESSURE ENGINE.

Rule.—Multiply the length of stroke by the number of strokes per minute; divide the product by 2400; take the square root of the quotient, and this, multiplied by the diameter of the cylinder in inches, gives the diameter of the steam pipe in inches.

The branch pipes should have half the area of the steam pipe; the steam ports, rather less in area than the branch pipes. For locomotive engines, the steam pipe may have a less diameter by 2 inches than what the rule gives, on account of the pipe being inside of the boiler.

RIVER AND SEA STEAM-PACKETS.

BUILDER'S measurement for river packets, 2 tons for 1 horse power of engine. Coasting packets, 2½ tons, builder's measurement, for 1 horse power of engine.

Rates of speed and increase of velocity.—Rule—Cube the rate in miles you wish to run at per hour; multiply by the horses power of engine; then cube the rate you are running at for a divisor; the quotient will be the power of engine required to give the increased velocity.

Suppose, for example, that a power equivalent to 50 horses is required to propel a vessel at the rate of 9 miles per hour; what must be the power to propel a vessel 12 miles per hour?

Here, $\frac{12^3 \times 50}{9^3} = \frac{86400}{729} = 118{\cdot}5$ or $118\frac{1}{2}$ horses power.

Or thus, $12 \times 12 \times 12 \times 50 = 86400 \div 9 \times 9 \times 9 = 118\frac{1}{2}$.

Paddle wheels for steam vessels vary from 7 times the length of the crank equal the diameter for river packets, to 8½ times the length of the crank for sea-going vessels. Thus, the Great Eastern, with a 7 feet crank, brings out the paddle wheels 56 feet diameter = 8 times the length of the crank.

LOCOMOTIVE ENGINES.

In making calculations for locomotive engines, they will be somewhat different from those already mentioned, The force of steam, dimensions of cylinders, diameter of wheels, the weight of load, the force of traction, and friction of the engine, must all be considered. It has been ascertained that 9 lbs. per ton is the amount of the force of traction upon a level, when axles are 2½ inches diameter at bearings, and the resistance which the engine has to encounter is about 15 lb. per ton upon the gross load.

The higher the wheels, the better the engine will be adapted for purposes of speed; but, if required to drag a load, a medium or smaller size must be adopted. Although speed and power are synonymous when calculated into one sum, yet there is an adaptation, or a compilation of parts, distinct and separate, belonging to a machine, which must be applied before such machine can perform the offices for which it may be constructed.

Experiments.—The following summary of experiments on the Grand Junction Railway, for the purpose of ascertaining the quantity of coke consumed to the weight of load transported is taken from the Railway Times:—

SECTION 2.—TABLE 11.

Names of engines.	Date of experiment. 1838.	Load			Rate of travelling.		
		Carriage, &c., tons.	Engine and tender, tons.	Gross load in tons.	Total distance run, miles.	Time. hrs. min.	Mean rate. miles per hour.
Prometheus and Phalaris.	May	39·2	20	59·2	778	33·46	23·65
		36·7	20	56·7	778	34·33	22·353
		32·8	20	52·8	583·5	26·6	22·38
	June	42·6	20	62·6	583·5	26·28	22·08
		41·1	20	61·1	778	36·5	21·49
	July	34.46	20	54·46	583·5	24·42	23·62

Coke consumed.				Water evaporated.		
Total quantity in pounds.	Per mile in pounds.	Per ton, goods in pounds.	Per mile, gross load in pounds.	During trip, imperial gallons	Cubic feet per hour.	lbs. of coke per cubic feet.
28812	37·03	·95	·62	17230	81·9	10·43
26715	34·3	·93	·60	17610	81·7	9·39
24493	41·9	1·28	·79	12740	78·2	11·97
22488	38·5	·90	·61	11450	67·6	12·24
36686	47·1	1·14	·77	19050	84·6	11·98
20652	35·4	1·03	·65	12360	80·3	10·49

SECTION 2.—TABLE 12.

SIMILAR EXPERIMENTS ON THE LONDON AND BIRMINGHAM RAILWAY.

Description of the engines.	Load.			Velocity.		
	Carriage, passengers, &c., in tons.	Engine and tender in tons.	Gross load in tons.	Rate at fullspeed in miles per hour.	Pressure of steam per sq. in. in lbs.	Mean rate of speed in m. per h.
12-inch cylinders and 6-ft. wheels	32·65	17·5	50·15	32·88	53	30·51
	53·45	17·5	70·95	32·4	53	28·53
	64·36	17·25	81·61	25·53	53	21·85
12-inch cylinders and 5-ft. wheels	34·45	16·32	50·77	32·41	53·5	31·29
	53·91	15·85	69·76	32·04	53·5	28·82
	67·2	16·33	83·53	23·81	53·5	19·42

Coke consumed.			Water evaporated.		
During the trip in pounds.	Per ton of goods per mile in pounds.	Per mile, gross load.	During the trip in gallons.	Cubic feet per hour.	Pounds of coke per cubic foot.
434	·89	·47	300	83·81	8·85
601	·59	·4	506	105·9	7·59
391	·504	·35	317	70·66	7·62
606	1·01	·55	420	91·	8·9
590	·58	·41	405	94·42	8·13
1220	·36	·29	935	56·81	8·11

A carriage upon a railway only requires a force equivalent to $\frac{1}{11\cdot0}$th part of its weight to give it motion, or about 8 lbs. per ton per mile along a plane, which, in mathematical language, is called the co-efficient of friction, and may be expressed as the resistance of friction in pounds, multiplied by the space in feet over which the load is moved. Thus, in a locomotive engine, at first the work of the engine exceeds the work of resistances, and the speed of the engine goes on increasing until it increases the work of resistances also, so that at length the engine attains to nearly a uniform motion, which is called the maximum speed. Thus, the work destroyed by the resistances will be exactly equal to the work applied by the motive power. Hence, 1 ton will require 8 lb. to overcome it; 2 tons, 16 lb.; 3 tons, 24 lb., &c., per mile.

What amount of work is due in moving a train of 100 tons 1 mile?

Here, 1760 yards × 3 feet equal 5280 feet; and 8 × 100 × 5280, amount of work consumed = 4224000.

What must be the effective horse power of a locomotive engine, moving at the uniform rate of 30 miles per hour upon a level rail; the weight of the train being 100 tons, and the friction 8 lb. per ton; resistance of atmosphere neglected?

Resistance by friction, 8 × 100 = 800 lb.

Distance moved in feet per minute $= \frac{30 \times 5280}{60} = 2640.$

Amount of friction per minute = 800 × 2640.

∴ Horse power of engine, $\frac{800 \times 2640}{33000} = 64.$ Ans.

Case 2.—At what rate, in miles per hour, will a train of 100 tons be drawn by an engine of 64 horses power?

Work done per hour = 64 × 33000 × 60 = 126720000.

Work done in moving the train 1 mile = 8 × 100 × 5280 = 4224000. Hence, number of miles per hour = $\frac{126720000}{4224000}$ = 30.

Example 2.—A locomotive engine and a train of carriages weighs 100 tons, and has a velocity of 30 miles per hour, at the time when the steam is turned off. How far will the train move upon a rail whose friction is 8 lb. per ton.

Here—Reduce miles per hour into feet per second, thus—30 miles × 1760 yards × 3 feet = 158400 feet ÷ 60 minutes ÷ 60 seconds = 44 feet per second.

Hence, according to Rule—$\frac{44^2 \times 100 \text{ tons in lbs}}{2 \times 32\frac{1}{2}}$

Renders thus—$\frac{44^2 \times 224000}{3 \times 32\frac{1}{2}}$ = 6740926

And the work of friction will have to overcome the accumulated weight of the train. In moving the train over every foot of space we have whole weight multiply friction.

Whence—100 tons × 8 lb = 800

∴ $\frac{6740926}{800}$ = 8426 feet = 1 mile 4 furlongs 30 poles 3 yards 2 feet.

Here—If we agree to apply a brake equivalent to a friction of 8 lb per ton upon the gross load, read 8 lb. friction upon the load, and 8 lb. per ton friction from the pressure by the brakes.

Thus—$\frac{6740926}{1600}$ = 4213 feet, or rather more than $\frac{3}{4}$ of a mile, when the train is brought to a stand.

TO FIND THE VELOCITY WHEN ASCENDING AND DECENDING AN INCLINED PLANE.

Rule.—Find the force of gravity with which the engine and train tend to roll down the plane. Multiply the gross weight of the engine and train in pounds by the height, and divide by the length of the plane, or weight in pounds; divide rise of plane.

Example.—Let an engine and train weigh 100 tons, or 224000 lbs., and the rise of the plane 1 in 300.

Here—The weight of engine and train = 224000 divide by 300, and this gives 680.

The 680 is the increased traction which is required to drag the load up the plane, or to assist, by gravity, in going down the plane. Now, it requires a force of 8 lb. per ton upon the gross load to drag the weight along the plane.

Hence, divide 680 by 8 and we have 85 tons; which must be added to the load when going up, and subtracted when going down the plane.

SECTION 2,—TABLE 13.

TABLE OF RAILWAY GRADIENTS OR INCLINED PLANES.

Feet per mile.	Comparison in yards.	Comparison in inches per chain of 66 feet.	Feet per mile.	Comparison in yards.	Comparison in inches per chain of 66 feet.
1	1 in 5280	0·15	31	1 in 170·3	4·65
2	1 .. 2640	0·30	32	1 .. 165	4·80
3	1 .. 1760	0·45	33	1 .. 160	4·95
4	1 .. 1320	0·60	34	1 .. 155·3	5·10
5	1 .. 1056	0·75	35	1 .. 150·8	5·25
6	1 .. 880	0·90	36	1 .. 146·6	5·40
7	1 .. 754·2	1·05	37	1 .. 142·7	5·55
8	1 .. 660	1·20	38	1 .. 138·9	5·70
9	1 .. 586·6	1 35	39	1 .. 135·4	5·85
10	1 .. 528	1·50	40	1 .. 132	6·00
11	1 .. 480	1·65	41	1 .. 128	6·15
12	1 .. 440	1·80	42	1 .. 125·7	6·30
13	1 .. 406·1	1·95	43	1 .. 122·8	6·45
14	1 .. 377·1	2·10	44	1 .. 120	6·60
15	1 .. 352	2·25	45	1 .. 117·3	6·75
16	1 .. 330	2·40	46	1 .. 114·8	6·90
17	1 .. 310·6	2·55	47	1 .. 112 3	7·05
18	1 .. 293·3	2·70	48	1 .. 110	7·20
19	1 .. 277·9	2·85	49	1 .. 107·7	7·35
20	1 .. 264	3·00	50	1 .. 105·6	7·50
21	1 .. 251·4	3·15	51	1 .. 103 5	7·65
22	1 .. 240·4	3·30	52	1 .. 101·5	7·80
23	1 .. 229·5	3·45	53	1 .. 99·6	7·95
24	1 .. 220	3·60	54	1 .. 7 8	8·10
25	1 .. 211·2	3·75	55	1 .. 96	8·25
26	1 .. 203·1	3·99	56	1 .. 94·3	8·40
27	1 .. 195·5	4·05	57	1 .. 92·6	8·55
28	1 .. 188·6	4·20	58	1 .. 91	8·70
29	1 .. 182·1	4·35	59	1 .. 89.5	8·85
30	1 .. 176	4·50	60	1 .. 88	9·00

HOW TO OBTAIN THE SPEED OF A LOCOMOTIVE ENGINE.

RULE—Multiply diameter of driving wheels, in feet and parts, by 3·1416 multiply by the number of revolutions per minute. This will bring out feet. Then divide by 3 for yards; lastly, divide 1760, and you have the answer in miles.

An engine making 210¼ revolutions per minute, with driving wheels 8 feet in diameter. We desire to know the the distance accomplished.

Here, 3·1416 × 8 feet × 210·125 revolutions ÷ 3 feet ÷ 1760 = 1 mile 3¼ yards nearly.

Case 2.—An engine running at the rate of 1763¼ yards per minute, what is the number of revolutions required?

Here, 1763¼ yards × 3 feet ÷ 8 ÷ 3·1416 = 210¼. Ans.

THE MODULUS OF MACHINES.

THE Modulus of a machine, as explained by Professor Moseley, is the fraction which expresses the relation of the work done to that of the work applied. Hence, if a machine should only perform one-half the work that is applied to it, then the modulus of such machine would be ½ or decimal ·5. The young student must bear in mind that however perfectly we may construct machines, there is always a certain amount of work destroyed by the rubbing surfaces, or parts which come in contact with each other. This we term friction.

The following table, from Morin, will explain the efficiency of various machines for raising water.

	MODULUS.
Incline chain pump.....	.38
Upright do. do.	·53
Chinese Wheel	·58
Bucket Wheel	·6
Pumps for Draining Mines	·66
Archimedian Screw	·7

Example 1.—If 20 horses power be applied to a machine lifting 12000 feet of water per hour, to the height of 40 feet, what is the modulus of the machine?

Work applied per hour = 20 × 33000 × 60 = 396000

Work done = 12000 × 62·5 lb. × 40 = 300000000

Hence, $\frac{20 \times 33000 \text{ lb.} \times 60}{12000 \times 62{\cdot}5 \text{ lb.} \times 40} = {\cdot}75$ modulus of machine.

Example 2.—How many horses power must an engine have to pump 14000 cubic feet of water per hour, from a mine, the depth of which is 50 fathoms?

Rule—As the units of work due for 1 horse is to 1 hour, multiply modulus of pump, so is the work of the whole mine divide the value of 1 horse.

Operation.—Here, 33000 lb. × 60 minutes × ·66 modulus of pump = 1306800·00 lb. = value of 1 horse for 1 hour.

Hence, 14000 feet × 62·5 lb. × 50 fathoms × 6 feet = 26250000·0 divide 1306800·00 = 200 horses power.

Thus, 33000 lb.
60 minutes.

1980000
·66 modulus of pump.

118800·00
11880000

1306800·00 equal divisor.

14000 feet.
62·5 lb.

70000
28000
84000

8750000
50 fathoms.

437500000
6 feet.

1306800·00)262500000·0(200 horses.
261360000

1140000·0

EXPERIMENTS ON A CANAL.

G. Rennie, Esq., C.E., has given to the world some very valuable experiments on the force of traction of boats, on the Grand Junction Canal. The towing rope was attached to a dynamometer, which had

previously been tested by weights. Although the horses were urged at first starting, they were allowed gradually to fall into their natural speed, which was 2½ miles per hour, on the average of 20 miles. The maximum speed was 4 miles and the minimum 2 miles per hour. The dynamometer indicated an average of 180 lb., which was capable of overcoming the resistance of the loaded barge of 25 tons.

These experiments were principally made to ascertain the comparative resistance of vessels moving through the water at different velocities. The boat was 70 feet in length, 4 feet in breadth, and drew 9 inches of water.

The traction indicated by the dynamometer the following resistance.

Miles per hour.	lb.	Miles per hour.	lb
2½ the resistance was	20	6 the resistance was 97 to	214
3	27	7	250
3½	30	8	336
4	50	9·69.....	411
4½	60	10	375
5 .....70 to	75	11½	392
One horse was employed for these velocities.		Two horses were employed for these velocities.	

In taking averages over the 12 experiments, these values give 186 lbs. resistance, the speed varying from 2½ to 11½ miles per hour.

Level pins were driven along the margin of the canal, to ascertain the rise and fall of the wave. It was found that when the boat passed at the rate of from 4 to 6 miles per hour, the rise of the wave was 5 inches and the fall 5 inches, thus making a wave of 10 inches in depth; and, when the speed was 11½ miles per hour, the wave was reduced to 2½ inches rise and 2½ inches fall.

LABOURING FORCES; OR, THE UNITS OF WORK PERFORMED BY LIVING AGENTS.

A UNIT of work represents 1 lb. raised 1 foot high in 1 minute. The labouring force of a great number of horses was put to the strictest test during the making of Saltwood Tunnel, on the South-eastern Railway; a daily register being kept by Mr. P. N. Brockedon, which reads as follows:—

"The power of a horse working for 8 hours = 23413 lb. raised 1 foot high in 1 minute.
"Do. for 6 hours = 24360 lb. per minute.
"Do. for 4½ hours = 27056 lb. per minute.
"Do. for 3 hours = 32243 lb. per minute."

ınd, of these results, the engineer considers that the 8 hours and ıours tests are only to be relied upon, and adopted as practical ides; all the others being in some degree objectionable. A comrison may be drawn from the following authors, who have studied arrange machines so as humanity and economy may go hand in nd;—

Name.	Pounds raised 1 foot high in a minute.	Hours of work.
Bolton and Watt	33000	8
Tredgold	27500	8
Desaguliers	44000	8
Sauveur	34020	8
Smeaton	22000	time not given.
Rennie	22000	time not stated.
Moore, for Society of Arts	21120	time not stated.

Average, 27663 units of work.

In these examples we find the peculiar adaptation of animal power ıd speed. We might class the heavy dray horses of Messrs. Barclay ıd Perkins to represent the duties estimated by Bolton and Watt, z.—33000 raised 1 foot high in 1 minute; but, when extra exertion ıd muscular action are required, the nearer horses approach to ıorough bred the better is the result. Hence, Mr. Rennie has adopted ı the standard of a horse power to be 22000 lb., raised through 1 ot of space in 1 minute. After explaining, at length, these valuable sults, the question might be asked, Why do not the Society of Civil ngineers adopt the truth at once? The seven authors named above ave laboured much to classify speed and power, which are synonimou ıe one with the other; the result of their labours clearly shew that 7663 units of work is the duty of one horse, through 1 foot of space in minute. Nevertheless, 33000 lb., as the standard divisor for a horse ower, is still retained, up to the time of this having been written.

Work performed by a man per minute, for 8 hours duration;—

Raising his own body	4250 lb.	8 hours.
Working at the treadmill	3900 lb.	„
Drawing or pushing horizontally	3120 lb.	„
Pushing or drawing alternately in a vertical direction	2380 lb.	„
Turning a handle	2600 lb.	„
Rowing a boat	4000 lb.	„
Raising work with a pulley	1560 lb.	6 hours day.

Raising material with the hands .....1470 lb. 6 hours day.
Raising material upon the back, returning empty .....1126 lb. 6 hours day.
Raising material with a wheel-barrow.. 720 lb. 10 hours day.
Throwing earth to the height of 5 feet 470 lb. 10 hours day.

According to practical results, a horse drawing in a coach can travel 10 miles an hour for 1 hour, and carry a load of 10 cwt. A dray-horse can travel 2½ miles an hour, or 16 miles per day, frequently drawing 2 tons, including the cart. Hence, the power in the one case is as the square root of the speed in the other; or the law of quantity of work done was as the square root of the velocity; the latter taking 4 times the weight of the former nearly double the distance. The traction or force with which animals pull decreases with the increase of speed. Tredgold exhibits their relations as under:—

Rate in miles per hour.	Traction in lbs.
2	166
3	125
3½	104
4	83
4½	62½
5	41⅔

It is evident, from the above, that 3 miles per hour is the useful effect of animal strength. Multiply the rate by the weight, and you have the proof. Thus, $3 \times 125 = 375$. Again, $3\frac{1}{2}$ or $3{\cdot}5 \times 104 = 364$. Hence it follows that every 1 lb. of labour performed is equivalent to 1 unit. The average drawn from the 11 examples of the labouring forces of a man is 2327 lb. raised 1 foot high in 1 minute the labour continuing 8 hours per day. If we compare 8 men to 1 horse, under the most favourable test, viz., 4250 lb. $\times$ 8 men = 34000 units of work performed. Again, if we take the average drawn from the 9 examples given above, for 6 and 8 hours labour, and multiply by 10 men, it will read thus:—2714 lb. $\times$ 10 = 27140 lb. or units of work. The averages drawn from the 7 experimentalists above, on the power of a horse, are equivalent to 27663 units of work in one minute; and the averages drawn from the register of Saltwood Tunnel is 26767½ lb. or units of work performed through 1 foot of space in 1 minute, at the average amount of 5 hours 22½ minutes labour for one day per horse. Hence, we may set down these values as 10 men equal to 1 horse.

Useful Effect, or units of work performed by a man, in raising water by different modes; the labour continuing 8 hours per day.

	lb. per minute.
Raising from a well with a pail and rope	1054
„ by the Archimedian screw	1505
„ by an upright chain pump	1730
„ by a Chinese wheel	2167
„ by a windlass from deep wells	2260
„ by a treadmill	3176

How many gallons or pounds weight of water will a man raise from depth of 100 feet, in one day of 8 hours, by working at a treadmill; e weight of the water being 10 lb. per gallon?

Rule.—Take out from table the units of work done for 1 minute; ultiply by 60 for hours; multiply by number of hours in one day, per table; divide by depth in feet; multiply by weight.

Thus $3176 \times 60 \times 8 = 1524480$ = one day one foot high.

Then, $100 \times 10 = 1000$, work of one gallon.

Hence, 1524480 lb.

$$\frac{\text{1524480 lb.}}{1000} = 1524 \text{ gallons or } 15240 \text{ lb.}$$

Case 2nd.—The same as in last example, having to be raised by a ndle and axle.

Work per day, thus, $2600 \times 60 \times 8$ as per table through 1 foot.

Work in raising 1 gallon $= 100 \times 10$.

$$\therefore \text{Number of gallons} = \frac{2600 \times 60 \times 8}{100 \times 10} = 1248 \text{ gall., or } 12480 \text{ lb.}$$

Case 3rd.—Suppose the same to be raised with a pail and rope.

Here, per table,

$$\frac{1054 \times 60 \times 8}{100 \times 10} = 505{\cdot}9 \text{ or } 506 \text{ gallons nearly, or}$$

)59 lb.

Case 4.—Work performed by six hammermen, each giving 80 blows in minutes.

Work expended in wielding a shaft—Six hammermen wield each a hammer of 18 lb. weight, describing a radius of blow equal to 4 feet inches, equivalent to a circle of 8 feet 6 inches in diameter, or 26 feet inches in circumference. How many feet does the accumulated ork move over per second, and how many units of labour will 40 blows r minute give?

Rule—Units of labour equal velocity squared; multiply weight of dy in pounds, divide by $2 \times 32\frac{1}{2}$, gives answer sought.

Thus, $26{\cdot}66 \times 30 \div 60$ for seconds $= 17{\cdot}77$ = velocity in feet per econd.

Hence, $\frac{17{\cdot}77 \times 17{\cdot}77 \times 18}{2 \times 32{\cdot}166} = 81{\cdot}35$ = work of one man for 1 second

And $88{\cdot}35 \times 60$ for minutes = 5301 lb. work done by one man in one minute.

These values 5301×6 men are equivalent to 31806 units of work per minute.

∴ If we allow two minutes to weld the shaft, the product will read $31806 \times 2 = 63612$ units of labour performed by six men in two minutes.

Note.—The above is a test from men under my own care, and the test is certainly the highest on record, as the work here renders an equivalent to two horses, or 6 men to 1 horse for 1 minute. The reader will easily perceive that the hammerman, in swinging round the hammer, puts himself into the position of a fly-wheel. Hence he becomes a reservoir of power.

Case 5.—The work in making nails.—The nail-maker can make 3 countersunk clout nails in one minute. Each nail requires 30 blows from a hammer 1¼ lb. weight, and 6 inches lift. What are the units of work done?

Here, $30 \times 3 \times \frac{1}{2}$ a foot $\times$ 1¼ lb. = 78 lb. 12 oz.

Or thus, $30 \times 3 \times {\cdot}5 \times 1{\cdot}75 = 78{\cdot}75$ units of work done as above.

Hence, $30 \times {\cdot}5 \times 1{\cdot}75 = 26{\cdot}25$ = work done upon one nail.

Case 6.—A blacksmith works with a 3 lb. hammer, and he makes a wedge by 40 blows, each blow having 18 inches lift. How many units of work are there in the wedge?

Thus, $40 \times 3 \times 1{\cdot}5 = 180$. Ans.

Case 7.—A cartman lifts 16 shovels full of ashes and mixed rubbish in one minute, the height of 5 feet, into a cart, each shovelful weighing 17 lb., and the weight of shovel 7 lb. = 24 lb. each lift. What are the number of units of work done?

Here, $24 \times 5 \times 16 = 1920$. Ans.

Note.—These tests were also made under my own observation.

WORK PERFORMED BY A FORGE HAMMER.

The steam hammer, direct acting, is one of the wonders of the present day. The rapid strides which mechanical science is making, could not, in large and heavy machinery, have ever been constructed, but only through the aid of the steam hammer. There are a number

of very ingenious contrivances to mould and fashion all descriptions of malleable iron work. We may name those of Naysmith, Condy, and Morrison. The one invented by Robert Morrison, Esq., C.E., is the one to which we will make special reference. The amount of work done, or units of labour performed, is truly astonishing. We have witnessed, over a term of 3½ years, the work performed by the Morrison 40 cwt. hammer. This hammer is capable of giving 60 effective strokes per minute, each stroke having 3 feet fall. This will enable the reader to form some idea of the amount of work executed.

To illustrate, by figures, a 40 cwt. hammer, making 60 lifts per minute, each lift having 3 feet of stroke, what is the amount of work done?

Here—40×112 lbs. $\times 60 \times 3 = 806400 \div 33000 = 24{\cdot}43$ or 24½ horses nearly.

How to ascertain the units of work performed by a steam hammer.

Rule.—Weight of hammer in hundred weights, multiply 112 pounds, multiply height of lift in feet and decimal parts, multiply number of lifts per minute, equal units of work; then divide by 33000 for horses power.

Case 2.—What will be the units of labour performed by a 5 ton hammer, when the lift is 6 feet, and making 30 lifts per minute?

Here we have 100 cwt., multiply 112 lb., multiply 6 feet, multiply 30 lifts, divide 33000.

Thus, $100 \times 112 \times 6 \times 30 = 2016000$ units of work.

Hence, $\frac{2016000}{33000} = 61$ horses power.

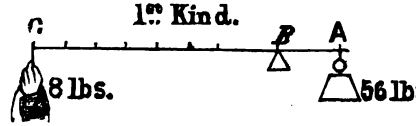
It is but proper to remark here, that these hammers work night and day, attended by two shifts of men. Thus, the reader will perceive, that in the former example, the work of 49 horses nearly, or, rating 10 men equivalent to 1 horse, the work of 490 men is being done every 24 hours. In the latter example, the work of 122 horses, or 1220 men is the effectual work performed every 24 hours.

It may be further stated, that the latest improvements in the Morrison hammer is much simplified; and, so far as physical labour is concerned, a boy 14 years of age may work it with ease. The demand for those hammers is very great, on account of their simplicity of arrangement and elegance of structure. They are being sent to every quarter of the civilised globe, from the manufactory of Robert Morrison and Company, engineers, Ouseburn Engine Works, Newcastle-on-Tyne, England.

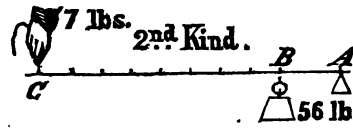
LEVERS

ACCORDING TO MODE OF APPLICATION FOLLOWING.

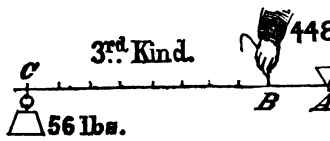
In the first kind of lever, the power is to the resistance as the distance A B is to that of B C, and graduates seven divisions, equal the length of A B seven times.



In the second kind, the power is to the resistance as the distance A B is to A C, and graduates 8 divisions, equal eight times A B.



In the third kind, the resistance is to the power as the distance A B is to A C, and graduates eight divisions, or eight times 56 pounds, equal 448 pounds.



Rule, first kind.—Divide the longer by the shorter end of the lever from the fulcrum, and the quotient is the effective force that the power applied is equal to.

Example 1.—Let the handle of a pump equal 65 inches in length, and 10 inches from the shortest end to centre of motion. What is the amount of effective leverage thereby obtained?

$$65 - 10 = 55 \text{ and } 55 = 5\tfrac{1}{2} \text{ to } 1.$$

10

Example 2.—Required, the situation of a fulcrum on which to rest a lever 15 feet, so that 2½ cwt. placed at one end may equipoise 30 cwt. at the other, the weight of the lever not being taken into account.

$$\frac{15 \times 2{\cdot}5}{2{\cdot}5 + 30} = 1{\cdot}154 \text{ feet from the end on thich the 30 cwt. is placed.}$$

Rule, second kind of lever.—Divide the whole length of lever, or distance from power to fulcrum, by the distance from fulcrum to weight, and the quotient is the proportion of effect that the power is to the weight, or resistance to be overcome.

Example.—Required, the amount of effect or force produced by a power of 50 lb. on the ram of a Bramah's pump, the length of lever being 3 feet, and distance from ram to fulcrum 4½ inches.

3 feet = 36 inches and $\frac{36}{4{\cdot}5} = 8$, or power and resistance are to each other as 8 to 1, hence $50 \times 8 = 400$ lb. force upon the ram.

The third kind of lever is represented by the safety valve of a steam engine, the action of the steam being the power, and the spring balance the resistance; and, in such applications, the weight of the lever must be taken into account, as in other levers there are three distinct points that must be taken into account, viz., the weight, fulcrum, and resistance.

THE SLIDING RULE.

We are indebted to Mr. Edmund Gunter, a great mathematician, who lived in the reign of James I., for the invention of the sliding rule. It is a kind of logarithmic table, and is used for the solution of arithmetical questions by inspection, such as numeration, addition, subtraction, multiplication, division, rule of three, and the extraction of the roots of numbers. It consists of two pieces of boxwood, each 12 inches long, joined together by a folding joint. In one of the pieces there is a brass slider. On the face of that instrument there are engraven 4 lines, marked by the letters A, B, C, and D; the lines A and D being marked on the wood part of the rule, and B and C on the brass slider. The first three lines, A, B, and C, are all exactly alike, consisting of two radiuses, and numbered from the left to the right hand, with figures from 1 up to 10. The line D is a single radius, double the length of the other, and is numbered from left to right with 1, 2, 3, &c. The lines B and C slide between the other two; and by this operation, questions are answered upon the rule the same as by figures,

One of the edges is marked with the decimals of a foot, and the other with inches, divided into 10ths and 12ths. There is a guide of printed instructions, which can be obtained for sixpence; and parties requiring a full development of the exercises upon the slide rule, will do well to study the same.

Robert Hawthorn, Esq., C.E., of Newcastle-upon-Tyne, England, has produced one of the best slide rules, for practical mechanics, that can be found. Mr. Routledge, engineer, has also produced a good rule. There are, besides, a number of rule makers, who have Gunter's scale, or the more improved slide by Coggeshall, the use of which may be explained in the following manner:—

Let it be observed, that whatever value is given to the first 1 from the left hand, the numbers following, viz., 2, 3, 4, 5, &c., will represent two, three, four times, &c., that value. If 1 be taken as unity, then 2, 3, 4 will just signify that number; but if 1 be reckoned 10, then 2, 3, 4 will represent 20, 30, 40, &c. Again, if the first 1 reckon 100, then, 2, 3, 4, &c., will represent 200, 300, 400, &c. The value of the 1 in the middle of the line is always ten times that of the first 1; the value of the second 2 is ten times that of the first 2. So that if the value of the first 1 be 10, that of the second 1 will be 100; the first 2 will be 20, and the second 2 will be 200, &c.

On the lines A, B, and C, there are 50 small divisions betwixt 1 and 2, 2 and 3, 3 and 4, &c. Hence, the first 1 and 2, 2 and 3, &c., will be $\frac{1}{50}$ or ·02; and if you take the first 1 to be unity, then the small divisions, from the second 1 to 2, 2 to 3, &c., will each be ten times greater than the $\frac{1}{50}$ or ·02; each of them being $\frac{1}{500}$, or $\frac{1}{5}$, or ·2. Again, if 1 represents 100, the first 2 will be 200, and so on.

MULTIPLICATION.

To multiply by the slide rule you have three numbers given to find a fourth, always calling unity one of the three. Whether they be whole numbers, mixed numbers, or decimal fractions, the proportion is as unity on A is to the multiplier on B, so is the multiplicand on A to the product on B.

CALCULATIONS OF HORSES POWER OF ENGINES BY A COMMON SLIDING RULE.

Set 1 upon C to the diameter of a cylinder, equal to 1 horse power upon D, and against any diameter upon D is the number of horses power upon C; or against any number of horses power upon C, is the diameter of cylinder in inches upon D.

Note.—The square root of any number of circular inches to a horse ·ual the diameter, thus: $\sqrt{30} = 5{\cdot}47$ inches; $\sqrt{31} = 5{\cdot}6$ inches; $\sqrt{34} = 5{\cdot}8$ inches, being the diameters of cylinders of 1 horse power, ·r land and marine condensing engines; and $\sqrt{13{\cdot}6} = 3{\cdot}7$ inches; $\sqrt{11{\cdot}3} = 3{\cdot}4$ inches; $\sqrt{8{\cdot}5} = 2{\cdot}9$ inches; and $\sqrt{6{\cdot}8} = 2{\cdot}6$ inches, or ·.. diameters of cylinders for non-condensing engines, of 1 horse power, ·.h the pressure above the atmosphere, equal to 25, 30, 40, and 50 per square inch.

Example.—What diameter must a cylinder be for a condensing engine equal 20 horses power.

Set 1 upon B to 30 upon A, and against 20 upon C is 24½ upon D.

When the line is thus set, C is a line of horses power, and D a line ·iameters for cylinders, corresponding to that power.

Example 2.—What number of horses power will a high pressure ·gine be equal to when the cylinder is 12 inches diameter, and steam · lb. per square inch?

Set 1 on B to 11·3 upon A, and against 12 upon D is 12·7 horses ·wer upon C.

For common slide rule.—Set 1 upon C to 5·47 upon D, and against · upon C is 24½ upon D.

Case 2.—Set 1 upon C to 3·4 upon D, and against 12 upon D is 12·7 ·n C.

What is the product of 9 by 8?

Set 8 upon B upon A, and against 9 upon A is 72, the answer ·n B.

DIVISION.

·ision and multiplication are a proof of each other.

When one number is given to be divided by another, whether whole ·xed numbers, or decimal fractions, the proportion is as the divisor ·n A is to unity upon B, so is the dividend upon B to the quotient ·A.

What is the quotient of 72 by 8?

Set 1 upon B to 8 upon A, and against 72 upon A is 9 upon B, the ·wer.

THE RULE OF THREE DIRECT.

You have always three numbers given to find a fourth. The proportion is, as the first term upon A is to the second upon B, so is the third term upon A to the fourth upon B. If a hammerman strike 40 times with a hammer in one minute, how long will it take him to give 400 blows at the same rate?

Set 40 upon B to 1 upon A, and against 400 blows upon B is 10 minutes, the answer upon A.

If 4 cwt. of cast iron cost 30s., what will 30 tons come to at the same rate?

Here, set 4 upon B to 30 upon A, and against 30 upon B is £225, answer upon A,

Again—A pair of trowsers, containing 2¼ yards of cloth, cost 17s. 6d., how much will a coat cost that contains 4 yards, at the same rate?

Set 2¼, or 2·5 upon B to 17·5 upon A, and against 4 upon A is £1·4, or 28s., answer upon A.

TIMBER MEASURE, SOLID.

Rule 1st.—Multiply the length by the mean breadth, and the product by the mean thickness.

2nd, by the sliding rule.—Find the mean proportions between the breadth and the thickness; then set the length on C to 12 on D, and against the mean proportional on D is the solid content on C. If the mean proportional come out in feet, reduce it to inches.

Example.—A log is 24 feet long, the mean depth and breadth being each 14 inches.

By cross multiplication:—

1 ft.	2 in.	
1	2	
1	2	
	2	4
1	4	4
24 ft.		
32	8	0

Or thus,—Inches multiply inches in length, breadth, and thickness; divide by 1728; this gives cubic feet; if any remainder, reduce it to inches; multiply by 12.

Here, 14 × 14 × 288 = 56448 ÷ 1728 cubic inches in a foot, brings out 32 feet, and 1152 remainder. Now, if we multiply this by 12, it will bring out 8 inches, same as above.

Hence, 14 × 14 × 288 ÷ 1728 = 32·1152 × 12 ÷ 1728 = 8. ∴ 32 feet 8 inches equal contents of the log.

TIMBER, SUPERFICIAL MEASURE.

1st.—Multiply length by breadth. When boards taper gradually, add the breadth of both ends together, and take half of this sum for the mean breadth.

2nd, by the sliding rule.—Set the length in feet and inches on B to 12 on A, and against the breadth in inches on A will be the area in square feet and decimal parts on B.

Example.—A board is 12 feet 9 inches long by 1 foot 3 inches broad. What are its contents in superficial square feet?

Here, by cross multiplication:—

12 ft.	9 in.	
1	3	
12	9	
3	2	3
15	11	3

Or thus—Inches multiply inches in length and breadth, $\div$ 144; viz., 153 $\times$ 15 $\div$ 144 = 15 feet 855 remainder. Then, 855 $\times$ 12 for inches $\div$ 144 = 11 inches and 36 remainder. Again, 36 $\times$ 12 for parts $\div$ 144 = 15 feet 11 inches 3 parts.

Note—In cross multiplication, 12 inches make 1 foot, and 12 parts make 1 inch.

ROUND TIMBER.

1st, the customary rule.—Take one-fourth of the mean girth, and square it. This, multiplied by the length in feet, will give the contents.

2nd, by the sliding rule.—Set the length in feet on C to 12 on D; then, against the quarter girth in inches on D will be the contents on C.

As the above popular rule does not work out mathematically correct, we give three modes of obtaining the contents of round timber.

1st.—By one fourth the mean girth in feet and inches, and squaring it; multiply by length in feet.

Example.—The mean girth of a tree being 5 feet 9 inches, and its length 19 feet, required the contents.

Length of girth = 5 feet 9 inches = 69 inches.

By slide rule, thus—Set 19 feet on C to 12 on D; then, opposite 17 inches on D, is 39 feet 3 inches on C.

ft. in. pts.

Here, 5 ft. 9 in. 4÷ = 1 5 3 and 1 ft. 5 in. 6 p. squared × 19 ft.

Thus, 1 5 3

1	5	3		
	7	2	3	
		4	3	9
2	0	9	6	9
19				
39	3	1	8	3 same as slide rule.

2nd, by arithmetical rule.—Thus, mean girth = 69 inches ÷ 3·1416 = 21·947 inches = diameter. Then, 21·947 squared. Here, $21{\cdot}947^2$ × ·7854 = 378·75255264, equal square inches in diameter. Then, 19 feet × 12 for inches = 288. Hence, 378·752, &c. × 288 ÷ 1728 = 49·97, or 49 feet 11 inches = whole contents of tree.

3rd.—One-fifth of the girth squared in feet and inches, and multiplied by twice the length of the tree in feet, equal contents.

Thus, 5 ft. 9 in. ÷ 5

1	1	9		
1	1	9		
1	1	9		
	1	1	9	
		10	3	9
1	3	9	0	9
38				

49 10 8 4 6 = 49 feet 10 inches 8 parts. Nearly same as No. 2 example. We leave this anomaly to be rectified by the practical skill employed in the timber trade. The difference here proves 10 feet 7 inches 6 parts between mathematical and customary rule.

Trees very seldom are equal in girth throughout. The usual practice is to take several measurements, add their sums together, and divide by the number of measurements. Suppose a tree, at its root, to measure 1 foot 10 inches; futher up, 1 foot 6 inches; further again, 1 foot 4 inches; and 1 foot 1 inch at the top; what is the mean girth? Here, 1 ft. 10 in. + 1 ft. 6 in. + 1 ft. 4 in. + 1 ft. 1 in. ÷ 4 = 5 ft. 9 in. = mean girth, same as above.

Cross multiplication is, also, the most practical rule for bringing boiler plates and other kinds of metallic sheets into square feet.

Given to find the square feet of a plate of iron 6 feet long by 2 feet 4 inches broad.

Feet.	Inches.	
6	0	
2	4	
12	0	
2	0	0
14	0	0

Another thus, 6 ft. × 1 ft. 8 in.

Feet.	Inches.	
6	0	
1	8	
6	0	
4	0	0
10	0	0

Another thus, 6 ft. 2 in. × 1 ft. 10 in.

Feet.	Inches.		
6	2		
1	10		
6	2		
5	1	8	
11	3	8	parts.

Observe—For weight of a superficial square foot of plate, see table, Wire Gauges, Section 3.

LEVELLING.

The instrument used in surveying and taking of levels is named a theodolite, and stands upon three legs, adjusted with joints and screws. The sight is a very fine piece of steel, almost as fine as a spider's web, inclosed in a tube at the top, fitted with glass ends. The level obtained, by means of this instrument, is only what is termed the apparent level, or tangent to the earth's circumference. The earth being a sphere, or nearly so, the true level is a curve line equally distant from its centre. Hence to proceed to obtain the difference between true and apparent level, divide the square of any distance on the earth's circumference by the earth's diameter, and the quotient is the difference in terms of the same denomination.

For example, the earth's mean diameter equal 7912 miles, 501304320 inches; consequently, the difference of true and apparent level, at the distance of one mile or 63,360 inches, will be

$$\frac{63360^2}{501304320} = 7{\cdot}963 \text{ or very nearly 8 inches.}$$

Although we find the above to be the exact difference, yet, in leveling, the surveyor finds in practice, that in taking levels to any distance, the point of sight is depressed about one-tenth of the true difference, by

the curvature of the rays of light, &c. Consequently, the difference will read as follows:

$$\frac{7{\cdot}962}{7} = 1{\cdot}137 \text{ and } 7{\cdot}962 - 1{\cdot}137 = 6{\cdot}825.$$

Hence the practical difference between true and apparent level.

TABLE OF DIFFERENCE BETWEEN TRUE AND APPARENT LEVEL.

Distance in Yards.	True difference of level in inches.	Practical difference in inches.	Dis. in mls.	True difference in feet & inches.	
100	·026	·023	¼	0	0¼
200	·103	·088	½	0	2
300	·230	·198	¾	0	4½
400	·411	·353	1	0	8
500	·643	·551	2	2	8
600	·925	·793	3	6	0
700	1·260	1·08	4	10	7
800	1·645	1·41	5	16	7
900	2·081	1·78	6	23	11
1000	2·570	2·20	7	32	6
1100	3·110	2·66	8	42	6
1200	3·701	3·17	9	53	9
1300	4·344	3·72	10	66	4
1400	5·038	4·32	11	80	3
1500	5·784	4·96	12	95	7
1600	6·580	5·64	13	112	2
1700	7·425	6·76	14	130	1

ACCUMULATED WORK;

OR, THE FORCE OF GRAVITY.

In all places equidistant from the centre of the globe, the force of gravity is equal. The force of gravity is greatest at the earth's surface from whence it decreases both upwards and downwards. Upward, the force decreases as the square of the distance from the centre increases; but below the surface of the earth, the force of gravity decreases, so that at the distance of half a semidiameter from the centre, it is but half what it is at the surface; at one-third the semidiameter, equal one-third; and so on for any other assumed distance.

Gravity and weight are, in particular circumstances, synonymous rms. We say such a piece of lead weighs a pound; but if, by any eans, it could be carried 4000 miles above the surface of the earth, it ould only weigh four ounces; and provided that it could be removed 000 miles above the earth, which is three times the distance from the ntre that the surface is, it would weigh only one-ninth of a pound. gain, since the force of gravity downwards decreases as the distance om the surface increases, 16 ounces would weigh, at one-half the istance from the centre to the surface, only 8 ounces; and so on for ne-third, &c. Hence, a piece of metal, &c., weighing, on the surface f the earth, one pound, will—

At the centre, weigh	0.
1000 miles from the centre	¹⁵⁄₁₆ pound.
2000	⅞ pound.
3000	¾ pound.
4000	⅝ pound.
8000	½ pound.
12000	⅜ pound.

When a body moves uniformly, the space described is, obviously, equal) the units of time during which the body moves, multiplied by the pace passed over in each unit of time. Bodies fall freely near the arth, the force of the earth's attraction, being constant, communicates) them equal additions of velocity, in equal intervals of time. Thus, t the end of 1 second, the velocity of the body is 32½ feet, at the end f 2 seconds, 2 times 32½ feet, and so on, throughout the series of ntervals or moments; that is, the velocity acquired by a falling body s equal to the product of the body's fall, in seconds; and, in mathe- natical language, reads thus:—

Velocity, equal time; multiply space.

Hence, $V = T \times 32\frac{1}{2}$

The space described by a body in one second will be ½ of $32\frac{1}{2} = 16\frac{1}{16}$ eet. This is equivalent to the velocity of the body in the middle of the ime, and gives the mean. Through what space will a body fall in 10 econds.

Here—space $= 10^2 \times 16\frac{1}{16}$ feet $= 1608{\cdot}33$ or $1608\frac{1}{4}$ feet.

The relation of space and time may be expressed by space equal time quared, multiply $16\frac{1}{16}$.

Thus—$S = T^2 \times 16\frac{1}{16}$.

The spaces are proportionate to the squares of the times; so that if body describe any given space in a given time, it will describe four imes the space in a double time, nine times that space in a treble time, nd so on. And, universally, if the times be in arithmetical proportion, s 1, 2, 3, 4, &c., t, the spaces described will be as 1, 4, 9, 16, &c., t^2 which implies t squared.

If a body be projected from a tower, with a velocity of 20 feet per second, how far will it descend in 6 seconds?

Here—The space due to the projection = 6 times 20 feet; and this added to the space due to gravity, will give space = $6 \times 20 + 6^2 \times 16\frac{1}{12} = 699$ feet.

In work accumulating by force of projection.

Rule.—The work accumulated in a moving body is equal to the square of the velocity in feet per second, multiplied by the weight of body in pounds, and divided by $2 \times 32\frac{1}{4}$.

This may be expressed by the equation units of work, equal velocity squared, multiply weight, divide twice gravity.

Thus—$$U = \frac{V^2 \times W}{2\ G}$$

Example.—A ball, 10 lb. weight, is projected with a velocity of 60 feet per second, on a plain. What distance will the ball travel before it comes to a state of rest, allowing the friction to be $\frac{1}{5}$ of the weight of the ball.

Units of work in the ball = $\frac{60^2 \times 10}{2 \times 32\frac{1}{4}} = 559{\cdot}588$

Whence, work destroyed by friction over 1 foot of space = $10 \times 1 = 2$.
$\overline{5}$

$\therefore$ Number of feet = $\frac{559{\cdot}588}{2} = 279{\cdot}799$ answer.

WORK DEVELOPED BY THE AIR.

The air, which supports life, is a fluid body, which surrounds the earth and gravitates on all parts of its surface. The mechanical properties of air are somewhat similar to other elastic fluids. The air has weight; a cubic foot of it weighs 1·222 oz., or 1¼ oz. in round numbers nearly.

The air at the earth's surface is compressed by the weight of the atmosphere which is above it, the pressure being equal to 14 lb. 11¼ oz. upon every square inch. The spring, or elasticity of the air is equal to the weight applied, and they will always sustain and balance each other. If the density of the air be increased by compression, its spring or elasticity will also be increased in the same proportion. Water has a tendency to fall to the earth in consequence of its weight; but if we take a tube 3 or 4 feet long, made air tight at one end, and fill it with water, then hold the tube in a vertical direction, with the open end downwards, we soon discover that the properties of the air are sufficient

to counterpoise the water and press it up the tube. According to facts connected with a common lift or sucking pump, the atmosphere will balance a column of water equal to 34 feet, or very nearly so. A column of water in a pipe 30 feet high, is equal to 13 lb. pressure per square inch.

A ready method of obtaining the effect of the pressure of the atmosphere. If we take mercury, one cubic foot weighs 13568 oz., or 7·85 oz. in one cubic inch. Now, as the pressure of the atmosphere is 14 lb. 11¼ oz. per square inch, it follows that 30 inches of mercury, multiply 7·85 oz., divide 16 for lb, is equal 14·71, or 14 lb. 11¼ oz. equal to the pressure of one atmosphere, or 2 inches of mercury to one pound of atmosphere.

The atmosphere has been estimated at about 50 miles high. The law of diminution of density, at different heights in the atmosphere, is this: if the height increases in arithmetical progression, the densities will decrease in geometrical progression. Thus, if the density at the earth's surface be called 1, at the height of 7 miles it will be 4 times rarer

Thus, 7 miles =	4	times rarer.
14 miles =	16	„
21 miles =	64	„
28 miles =	256	„
35 miles =	1024	„

Many eminent men have laboured on this subject, and have derived theorems of great use for determining altitudes by the barometer.

Rule.—As the sum of the heights of the mercury at the bottom and top of the mountain is to the difference of the heights, so is 52000 to the altitude of the mountain in feet.

Example.—At the bottom of a hill, the barometer stood at 29·5; and at top, it stood at 27·5. Here, 29·5 + 27·5 = 57 = the sum; and 25·5 — 27·5 = 2 = difference.

Hence, 57 : 2 :: 52000 : 1824·56 feet, the height of the mountain, equal 1824¼ feet.

FORCE OF AIR.

It will be quite easy to calculate the force of air, compressed any given number of times. Thus, if we take a cylinder, 6 feet long, and closed at the bottom, a piston is thrust down to the distance of one foot from the bottom, the cyliner being 24 inches diameter, the piston would contain an area of 452·34 square inches. It will appear quite clear that the air contained in the cylinder will be compressed into ⅙ of its natural bulk, and its elastic force will be 6 times greater than it was

before. At first, it was 14 lb. 11½ oz. to the square inch; but now, it will be 14 lb. 11½ oz. multiply 6, equal 88 lb. 6 oz. on the square inch; and one atmosphere being deducted for the contrary pressure, read thus:—88 lb. 6 oz. minus 14 lb. 11½ oz. equal 73 lb. 10½ oz. the square inch. Hence, 452·34 × 73 lb. 10½ oz. or 73·656 lb. = 33317·55 lb., equal the force by which the piston will be pressed upwards.

SECTION 2.—TABLE 15.

SHEWING THE VELOCITY OF THE WIND IN MILES PER HOUR, INDICATED BY AVOIRDUPOIS POUNDS AND PARTS.

Mls. hour	Lbs. and parts.	Denomination.	Mls. hour	Lbs. and parts.	Denomination.	Mls. hour	Lbs. and parts.
10	0·492		32	5·067		52	13·382
11	0·615		33	5·386	Great strom.	53	13·923
12	0·738	Pleasant wind	34	5·705		54	14·464
13	0·861		35	6·025		55	15·007
14	0·981		36	6·394	Very gt. storm.	56	15·548
15	1·107		37	6·763		57	16·089
16	1·279		38	7·132		58	16·630
17	1·451	Brisk gale.	39	7·501	Violt. tempest.	59	17·171
18	1·623		40	7·873		60	17·715
19	1·795		41	8·291		61	18·403
20	1·968	Very brk. gale.	42	8·709		62	19·091
21	2·169		43	9·127	Hurricane.	63	19·779
22	2·370		44	9·545		64	20·467
23	2·571	High wind.	45	9·963		65	21·158
24	2·772		46	10·430		66	21·840
25	2·975		47	10·897		67	22·534
26	3·265		48	11·364		68	23·222
27	3·556		49	11·831		69	23·910
28	3·845	Very hg. wind.	50	12·300		70	24·602
29	4·135		51	12·841			
30	4·429						
31	4·748	Storm.					

Note.—This table is set for the convenience of ship captains, and we give an outline of how to construct a simple gauge. Take a tube about 1½ inch diameter, close the bottom end, and fix a spiral spring in it about a foot long. Attach an iron rod to the spring at the top end, and let it project. Above the tube, fix a board on the top of the rod 12 inches square; then put weights on the board, and graduate the rod by index marks for every pound, ½ pound, and ¼ pound. Arrange the gauge in some convenient part of the ship, and it will indicate the pounds pressure per square foot. Refer to the table and you have the velocity.

SECTION III.

ON WEIGHTS OF METALS.

In commencing this section, it will be necessary to remark that the decimal proportions of the weight of the various metals, as well as the decimal proportions of thickness, have been reduced to their proper value.

Example.—Divide one by thirty-two. Now, the way we do this, we set down one and add a cypher to it. Then there is the same number of figures in the numerator as in the denominator, and the relative value is not altered. Thus, divide ·10 by ·32 it goes no times; then add another cypher and it goes three times. Continue the operation, and you will have the decimal value of $\frac{1}{32}$ ·03125.

See question at the side thus worked.

32)·100(03125
96
—
40
32
—
80
64
—
160
160

DECIMAL TABLE.

Of the fractional part of an inch, when divided into 32 parts. Likewise, a foot of twelve inches reduced to eighteen different decimal proportions.

SECTION III.—TABLE 1.

Parts.		Decimals.	Parts.		Decimals.	Parts of a Foot.		Decls.
1 inch.	=	1·000	$\frac{1}{2}$ & $\frac{1}{32}$	=	·46875	12	=	1·0000
$\frac{7}{8}$ & $\frac{3}{32}$	..	·96875	$\frac{7}{8}$ & $\frac{1}{16}$	..	·4375	11	..	·9166
$\frac{7}{8}$ & $\frac{1}{16}$	..	·9378	$\frac{7}{8}$ & $\frac{1}{32}$	..	·40625	10	..	·8333
$\frac{7}{8}$ & $\frac{1}{32}$	..	·90625	$\frac{7}{8}$		·375	9	..	·75
$\frac{7}{8}$		·875	$\frac{1}{4}$ & $\frac{3}{32}$	..	·34375	8	..	·6666
$\frac{3}{4}$ & $\frac{3}{32}$	..	·84375	$\frac{1}{4}$ & $\frac{1}{16}$	..	·3125	7	..	·5833
$\frac{3}{4}$ & $\frac{1}{16}$	..	·8125	$\frac{1}{4}$ & $\frac{1}{32}$	..	·28125	6	..	·5
$\frac{3}{4}$ & $\frac{1}{32}$	..	·78125	$\frac{1}{4}$		·25	5	..	·4166
$\frac{3}{4}$		·75	$\frac{1}{8}$ & $\frac{3}{32}$	..	·21875	4	..	·3333
$\frac{5}{8}$ & $\frac{3}{32}$	..	·71875	$\frac{1}{8}$ & $\frac{1}{16}$	..	·1875	3	..	·25
$\frac{5}{8}$ & $\frac{1}{16}$	..	·6875	$\frac{1}{8}$ & $\frac{1}{32}$	..	·15625	2	..	·1666
$\frac{5}{8}$ & $\frac{1}{32}$	..	·65625	$\frac{1}{8}$	..	·125	1	..	·0833
$\frac{5}{8}$		·625	$\frac{3}{32}$	..	·09375	$\frac{7}{8}$	..	·07291
$\frac{1}{2}$ & $\frac{3}{32}$	..	·59375	$\frac{1}{16}$	..	·0625	$\frac{3}{4}$	..	·0625
$\frac{1}{2}$ & $\frac{1}{16}$	..	·5625	$\frac{1}{32}$	..	·03125	$\frac{5}{8}$	..	·0528
$\frac{1}{2}$ & $\frac{1}{32}$		·53125				$\frac{1}{2}$	..	·04166
$\frac{1}{2}$		·5				$\frac{3}{8}$	..	·03125
						$\frac{1}{4}$	..	·02083
						$\frac{1}{8}$	..	·01041

The great utility of the decimal table will be known from the following examples:—

Example 1.—Given to find the weight of a sheet of iron, $\frac{1}{4}$ and $\frac{1}{32}$ of an inch thick, by 20 inches broad and 6 feet long.

Rule.—Multiply the area of the end in inches by the feet in length, then by the decimal multiplier given in Section 5, Table of Multipliers, which is 3·33 for rolled sheet iron. Thus, $\frac{1}{4}$ and $\frac{1}{32}$ of an inch is equal to $\frac{9}{32}$, and the decimal opposite this dimension in Table 1 in this Section is ·15625. Now, this decimal you multiply by the breadth, 20 inches, then by the length, 6 feet, and lastly by the multiplier for flat iron, viz., 3·33. This will give the weight in pounds of 16 ounces.

Thus, the short way, $\frac{9}{32} \times 20 \times 6 \times 3{\cdot}33 = 62$ pounds ·4375000.

Again, thus, ·15625 parts of an inch multiply 20 inches, multiply 6 feet, multiply 3·33, gives 62 lb. 7 oz., or 0 cwt. 2 qr. 6 lb. 7 oz.

Again, the practical way—·15625

20

3·12500

6

18·75000

3·33

5625000
5625000
5625000

Pounds 62·4375000 Decimal of a pound, or 62 lb. 7 oz.

Case 2.—What is the weight of a boiler plate, $\frac{3}{8}$ of an inch thick by 20 inches broad, and by 6 feet long?

Here, the decimal of $\frac{3}{8}$ of an inch is equal ·375.

Hence, ·375 × 20 × 6 × 3·33 = 149·85000 lb., or 1 cwt. 1 qr. 9 lb. 13$\frac{1}{2}$ oz.

For bringing plate or other iron into cubic inches and pounds avoirdupois—

Rule.—Multiply the cross or end section of the iron, in inches and parts, by the length in inches and parts; then divide by the number of cubic inches in a pound. See Section 3, Table of Specific Gravities, where you will find 3·6037.

Example.—Given to find the number of cubic inches and avoirdupois pounds in a plate of rolled iron, $\frac{5}{16}$ of an inch thick, by 72 inches long. Thus, $\frac{5}{16} \times 20 \times 72 = 225{\cdot}0000$ cubic inches $\div 3{\cdot}6037 = 62{\cdot}4358$, or 62 lb. 7 oz.

The practical way thus—

Thickness ·15625 or $\frac{5}{16}$ of an inch.
Breadth 20

3·12500
Length 72

625000
2187500

3·6037)225·00000(62·4358, or 62 ponnds 7 ounces.
216222

87780
72074

157060
144148

129120
108111

210090
180185

299050
288296

10754

Case 2.—Multiply cubic inches of rolled iron by ·2775, and it will give avoirdupois pounds. See Section 5, Table 4, where you will find the multipliers for cubic inches.

Now there are 225 cubic inches in the above plate; therefore 225 × ·2775 = 62 lb. 7 oz.

The practical way

225
·2775

1125
1575
1575
450

lb. oz.
62·4375 = 62 7

SECTION III.—TABLE 2.

Given, to find the decimal proportions of a pound of 16 ounces, commonly called avoirdupois pound. The operation is similar to that in table 1, namely, divide ·10 by 16 and you have for your quotient ·0625 decimal, which is the decimal proportion of 1 ounce, or the sixteenth part of a pound. Then take the half of this quotient, that is the half of ·0626, which is equal to ·03125, continually adding the last quantity to the preceding product, and you have every proportion given in the table.

Ounces.	Decimal.	Ounces.	Decimal.
1	·0625	9	·5625
1¼	·09375	9¼	·59375
2	·125	10	·625
2¼	·15625	10¼	·65626
3	·1875	11	·6875
3¼	·21875	11¼	·71875
4	·25	12	·75
4¼	·28125	12¼	·78125
5	·3125	13	·8125
5¼	·34375	13¼	·84375
6	·375	14	·875
6¼	·40625	14¼	·90625
7	·4375	15	·9375
7¼	·46875	15¼	·96875
8	·5	16	1·0000
8¼	·53125		

SECTION III.—TABLE 3.

OF SPECIFIC GRAVITIES.

THE first column of this table is taken from some of the best experimentalists. The second column is found by dividing the first by 16 ounces, which gives pounds in a cubic foot. The first column, divided by 1728, gives ounces in a cubic inch in the third column. The third column, divided by 16, gives the fourth column, which shews the decimal proportions of a pound avoirdupois in a cubic inch, and, used as decimal multipliers, will bring cubic inches into pounds. Then, as 1728 cubic inches is a cubic foot, this, divided by the second column, gives the number of cubic inches in a pound, which gives the last column, and, if used for divisors, will bring cubic inches into pounds. Observe, cast iron, all above 3 tons, divide cubic inches by 4 for pounds.

Names of metals.	Ounces avoirdupois in a cubic ft.	Pounds avoirdupois in a cubic ft.	Ounces avoirdupois in a cubic in.	Pounds avoirdupois in a cubic in.	No. of cubic inches in a pound.
Platinum	21041	1315	12·20	·7512	1·314
Gold	19361	1210	11·20	·700	1·428
Gold coin	17647	1103	10·21	·637	1·566
Jeweller's gold	15709	981·8	9·09	·568	1·760
Mercury	13568	848	7·85	·490	2·037
Cast lead	11352	709·5	6·56	·410	2·435
Hammered silver	10510	656·8	6·08	·380	2·630
Cast silver	10474	654·6	6·06	·378	2·639
Bismuth, cast	9880	617·5	5·71	·358	2·798
Copper, sheet	8915	557	5·15	·322	3·100
Copper, rod	8845	553·8	5·11	·319	3·122
Copper, cast	8788	549	5·08	·317	3·147
Gun metal	8784	549	5·07	·317	3·147
Brass rod	8640	540	5·00	·312	3·200
Brass, cast	8386	524	4·85	·303	3 297
Manganese, cast	8000	500	4·62	·288	3·456
Steel, soft	7833	489·5	4·53	·283	3·533
Steel, hard	7816	488·5	4·52	·282	3·537
Cobalt, cast	7811	488	4·52	·282	3·540
Nickel, cast	7807	487	4·51	·281	3·548
Hammered iron	7746	484	4·48	·280	3·570
Bar iron, rolled	7672	479·5	4·43	·277	3·6037
Tin, cast	7292	455·7	4·21	·263	3·789
Iron, cast	7211	450·6	4·17	·261	3·834
Zinc	7190	449·3	4·16	·260	3·845
Antimony, cast	6702	419	3·87	·241	4·124
Arsenic	5763	360	3·33	·208	4·8

Note—To obtain the weight of any cube double the size of those mentioned in Table, multiply the weight given in Table by 8.

WOODS.	Ounces in a cubic foot.	Pounds & ounces in a cubic foot.		Number of inches in a pound,
		lb.	oz.	
Lignum vitæ	1333	83	5	20·74
Ebony	1331	83	3	20·77
English oak, 60 years cut	1170	73	2	23·63
Oak, English	970	60	10	28·50
Logwood	913	57	1	30·30

WOODS (continued),	Ounces in a cubic foot.	Pounds & ounces in a cubic foot.		Number of inches in a pound.
		lb.	oz.	
Boxwood, French	912	57	0	30·31
Oak, American	872	54	8	31·70
Mahogany, Spanish	852	53	4	32·45
Yew, Spanish	807	50	7	34·26
Alder	800	50	0	34·56
Apple tree	793	49	9	34·86
Yew, Dutch	788	49	4	35·00
Ash	760	47	8	36·37
Dantzic Oak	760	47	8	36·37
Maple and Riga fir	750	46	14	36·85
Teak	745	46	9	37·11
Cherry tree	715	44	11	38·67
Christiana deal	698	43	10	39·63
Beech	696	43	8	39·61
Elder	695	43	7	39·81
Fir, forest	694	43	6	39·90
Walnut	671	41	15	41·24
Pear tree	661	41	5	41·84
Plain tree	656	41	0	42·17
Cedar	596	37	4	46·38
Memel	590	36	14	46·86
Willow	585	36	9	47·26
Mahogany, Honduras	560	35	0	49·37
Pitch pine	560	35	0	49·37
Elm and New English fir	556	34	12	49·72
Larch	544	34	0	50·82
Poplar	383	23	15	72·30
Cork	246	15	6	112·42

EARTHS, STONES, &c.			Oz. in a cub. foot.
Oriental ruby	.....	.....	4280
Bohemian garnet	.....	.....	4190
Oriental topaz	.....	.....	4010
Brazilian ruby	.....	.....	3530
Crude manganese	.....	.....	3530
Diamond	.....	.....	3500
Glass, white	.....	.....	2892
Hone, white razor	.....	.....	2876
Basalt	.....	.....	2864

EARTHS, STONES, &c. (continued).	oz. in a cub. foot.
Chalk	2784
Marble, white statuary, not veined	2760
Devonshire red marble, variegated	2742
Marble, white Italian, veined	2726
Glass, bottle	2733
Black Brabant marble	2697
Slate	2672
Pebble	2664
Cornish granite	2662
Granite, red	2654
Glass, green	2642
Aberdeen blue granite	2625
Purbeck	2599
Black compact limestone, Limerick	2598
Compact limestone	2584
Dundee sandstone, or brescia, two kinds	2530
Stone, common	2520
Yorkshire paving stone, with the strata	2507
Ditto ditto against the strata	2507
Craig-Leith white freestone	2452
Portland stone	2428
Derby grit, a red friable sandstone	2428
Killaly white freestone, not stratified	2423
Stone, paving	2416
Sulphate of lime	2320
Another kind of Derby grit	2316
Red brick, mean of two trials	2168
Common salt	2130
Brick, of a pale red colour	2085
Sulphur	2033
Common kind of brick	2000
Pit coal	1300
Jet	1240

RESINS, &c.	oz. in ft	LIQUIDS.	oz. in f.
Pearl	2750	Vitriol	1841
Ivory	1822	Nitric acid	1218
Ox's horn	1840	Sea water	1028
Bone of an ox	1659	Distilled water	1000
Gum arabic and honey	1450	Oil of olives	918
Hen's egg, fresh laid	1095	Oil of turpentine	870
Human blood	1050	Spirits of wine	846
Tallow	945	Air at the earth's surface	1¼
Flax	897		

SPECIFIC GRAVITY OF GASES, THAT OF THE ATMOSPHERE BEING 1.

Nitric acid gas	3·75	Oxygen	1.111
Sulphuric acid	2·777	Azote	0·9723
Nitrous acid	2·638	Carburetted hydrogen	0·9722
Chlorine	2·500	Ammonia	0·5902
Alcohol vapour	1·6133	Steam of water	0·481
Carbonic acid	1·5277	Carbonic	0·4166
Muriatic acid	1·2840	Hydrogen	0·0694

A TABLE OF THE SPECIFIC GRAVITY OF WATER

AT DIFFERENT TEMPERATURES, THAT AT 62 BEING TAKEN AS UNITY.

38°F.	1·00115	46°F.	1·00102	54°F.	1·00064	64°	·99980
40	1·00113	48	1·00095	56	1·00050	66	·99958
42	1·00111	50	1·00087	58	1·00035	68	·99936
44	1·00107	52	1·00076	62	1·	70	·99913

Note.—It has been ascertained that the difference of temperatures alters the density of water, and causes it to vary in bulk. The weight of a cylindrical inch of water is 198·3 grains; one cubic inch of water, weighed in air, equal 252·5 grains; one cubic inch of quicksilver, 2691 grains.

WIRE GAUGES.

No. 1 wire gauge equal to $\frac{1}{16}$ of an inch.
No. 4 wire gauge equal to $\frac{1}{4}$ of an inch.
No. 7 wire gauge equal to $\frac{3}{16}$ of an inch.
No. 11 wire gauge equal to $\frac{1}{8}$ of an inch.
No. 16 wire gauge equal to $\frac{1}{16}$ of an inch.
No. 22 wire gauge equal to $\frac{1}{32}$ of an inch.

SECTION III.—TABLE 4.

SHEWS THE WEIGHT OF A SUPERFICIAL SQUARE FOOT OF PLATE OR SHEET IRON, SHEET COPPER, AND BRASS, IN AVOIRDUPOIS POUNDS.

Thickness of iron in parts of an inch	Weight in Pounds.	Thickness by the Wire Gauge	Iron	Copper.	Brass	Wire Gauge	Iron	Copper	Brass
	lb. oz.	No.	lb. oz.	lb. oz.	lb. oz.	No.	lb. oz.	lb. oz.	lb. oz.
1/32	1 4	1	12 8	14 8	13 12	16	2 8	2 14½	2 12
1/16	2 8	2	12 0	13 15½	13 3½	17	2 2	2 8½	2 6½
3/32	5 0	3	11 0	12 12	12 2	18	1 14	2 2½	2 1
1/8	7 8	4	10 0	11 10	11 0	19	1 11½	1 15½	1 14
5/32	10 0	5	8 12	10 2	9 10	20	1 8½	1 12½	1 11
3/16	12 8	6	8 2	9 7	8 15½	21	1 6½	1 10	1 8½
7/32	15 0	7	7 8	8 12	8 4	22	1 4	1 7½	1 6
1/4	17 8	8	6 13	8 0	7 9	23	1 2	1 5	1 4
9/32	20 0	9	6 4	7 4	6 14	24	1 0	1 2½	1 2
5/16	22 8	10	5 10	6 8	6 3	25	0 14½	1 0½	1 0
3/8	25 0	11	5 0	5 13	5 8	26	0 13	0 15	0 14
11/16	27 8	12	4 6	5 1	4 13	27	0 11½	0 13½	0 12½
3/4	30 0	13	3 12	4 5½	4 2	28	0 10½	0 12	0 11½
7/8	35 0	14	3 2	3 10	3 7	29	0 9½	0 10½	0 10
1	40 0	15	2 13	3 4½	3 0	30	0 8	0 9½	0 9

SECTION III. TABLE 5.

GIVING THE WEIGHT OF A SUPERFICIAL SQUARE FOOT OF DIFFERERT METAL PLATES, IN AVOIRDUPOIS POUNDS AND OUNCES, FROM $\frac{1}{8}$ OF AN INCH TO 1 INCH THICK, ADVANCING BY $\frac{1}{16}$.

Size.	Cast Iron.	Cast Brass	Cast Copper	Cast Lead	Cast Zinc	Cast Tin	Cast Silver.
Inches	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.
$\frac{2}{8}$	14 1	16 7	17 4	22 4	14 1	14 4	20 8
$\frac{7}{16}$	16 6	19 4	20 0	25 14	16 7	16 10	23 14
$\frac{1}{4}$	18 12	21 15	22 14	29 8	18 12	19 0	27 6
$\frac{9}{16}$	21 1	24 10	25 12	33 4	21 2	21 7	30 12
$\frac{5}{8}$	23 6½	27 7	28 10	36 14	23 7	23 12	34 2
$\frac{11}{16}$	25 12	30 2	31 7	40 10	25 12	26 2	37 8
$\frac{3}{4}$	28 2	32 14	34 6	44 6	28 2	28 5	40 14
$\frac{13}{16}$	30 7	35 10	37 4	48 0	30 7	30 14	44 6
$\frac{7}{8}$	32 12	38 8	40 0	51 12	32 13	33 4	47 12
$\frac{15}{16}$	35 2	41 3	42 14	55 7	35 2	35 10	51 2
1	37 8	43 14	45 13	59 2	37 8	38 0	54 10

The great variety of thickness into which Copper is manufactured, causes, in trade, the weight to be named, so as to determine the thickness required; the unit being that of a common sheet, so designated, viz., 4 feet by 2 feet, in pounds avoirdupois.

Thus, a 70 lb. plate is $\frac{1}{16}$ of an inch in thickness.
46½ .. $\frac{1}{8}$ .. ..
23 .. $\frac{1}{16}$ .. ..
11½ .. $\frac{1}{32}$ .. ..
6 .. $\frac{1}{64}$ .. ..

The thickness of lead is determined in a similar manner, by the weight, the unit being that of a square or superficial foot.

Thus, 4 lb. sh. lead is $\frac{1}{16}$ of an inch in thickness.
6 .. $\frac{1}{32}$ .. ..
7½ .. $\frac{1}{8}$ .. ..
11 .. $\frac{1}{16}$ .. ..
15 .. $\frac{1}{8}$ .. ..

To illustrate this table:—

1.—Suppose we have an article of plate iron, the weight of which is 400 lb., and we want another article made of copper, of the same dimensions as the iron one, what will be its weight?

Example.—400 lb. multiplied by the difference of weight in the table.

Thus, 400 × 1·16 = 464 lb.

SECTION III.—TABLE 6.

COMPARATIVE WEIGHTS OF DIFFERENT BODIES.

	lb.		lb.
Bar iron being	1·	Cast iron being	1·
Cast iron ..	·95	Bar iron ..	1·07
Steel ..	1·02	Steel ..	1·08
Brass ..	1·09	Brass ..	1·16
Copper ..	1·16	Copper ..	1·21
Lead ..	1.48	Lead ..	1·56

	lb.		lb.	oz.
Dry plaintree being	1.	Old dry deal ptns being	1	0
Cast iron ..	11·0	Cast iron ..	16	8
Cast tin ..	11·2	Cast tin ..	17	12
Cast brass ..	12·7	Cast brass ..	19	8
Cast copper ..	13·3	Cast copper ..	20	4
Cast lead ..	17·1	Cast lead ..	24	0

Mill loam, properly dried in core, being 1—
Iron, cast, 4¼ to 1, or for every pound of core 4 lb. 9 oz.
White patent metal, cast, 4¼ to 1, or for every pound of core 4 lb. 12 oz.
Brass, cast, 5⅛ to 1, or for every pound of core 5 lb. 6 oz.

Example.—Given, a model of dry plain tree, weighing 40 lb. We wish to know how much a cast of brass will weigh from the said model.

Thus, 40 lb. multiplied by 12·7, equal 508·0 lb., equal 4 cwt. 2 qr. 4 lb.

Note.—When models are not made of well seasoned dry plaintree, a near approximation to truth is, to reckon one pound of model to make ten pounds of cast iron

SECTION III.—TABLE 7.

TO ASCERTAIN THE WEIGHTS OF PIPES OF VARIOUS METALS, OF ANY DIAMETER REQUIRED.

Thickness in parts of an inch.	Wrought iron.	Copper.		Lead.	
1/32	·326	11¼ lb. plate	·38	2 lb. lead	·483
1/16	·653	23½ lb. „	·76	4 lb. „	·967
3/32	·976	35 lb. „	1·14	5½ lb. „	1·45
1/8	1·3	46½ lb. „	1·49	8 lb. „	1·934
5/32	1·627	58 lb. „	1·9	9½ lb. „	2·417
3/16	1·95	70 lb. „	2·28	11 lb. „	2·9
7/32	2·277	80½ lb. „	2·66	13 lb. „	3·383
¼	2·6	93 lb. „	3·04	15 lb. „	3·867

Rule.—To the interior diameter of the pipe in inches, add the thickness of the metal; multiply the sum by the decimal number opposite the required thickness, and under the metal's name; also by the length of the pipe in feet, and the product will be the weight of the pipe in avoirdupois pounds.

Required the weight of a copper pipe, the interior diameter of which is 6¼ inches, its length 9¼ feet, and the thickness ⅛ of an inch.

6¼ add ⅛, multiply 1·49 from table, multiply 9¼, gives 87 lb. 8634375 decimal, or 87 lb. 14 oz.

Thus, 6·25 + ·125 = 6·375 × 1·49 × 9·25 = 87 pounds 14 ounces
Or thus, 6·25 + ·125 × 1·49 × 9·25 = 3 qr. 3 lb. 14 oz.

Case 2.—Required the cubic inches of the above pipe, and the weight in avoirdupois pounds.

Rule.—Multiply 3·1416 by the diameter of the pipe in inches and parts. multiply by the thickness of the pipe in inches and parts, multiply by the length of pipe in inches—lastly, divide by the number of cubic inches in a pound. See last column, Table of Specific Gravities.

As 1 : 3·1416 :: 6·25 equal 19·63500 inches equal circumference 19·63500 × ·125 thickness, equal 2·45437500 inches. 2·45437500 × length 9¼ feet or 111 inches, equal 272 cubic inches ·43562500. Then 272·43562500 divide 3·10 number of cubic inches in a pound = 87·882 lb. Or thus, 3·1416 × 6·25 × ·125 × 111 ÷ 3·10 = 3 qr. 3 lb. 14 oz.

Note.—Should the weight of any other kind of metal pipes be required, bring the contents into cubic inches as above, then divide by the number of cubic inches in a pound opposite each metal. See last column Table of Specific Gravities.

Suppose the weight of a cast iron pipe be wanted, you divide cubic inches by 3·83, and the quotient will be the weight in pounds nearly.

Observe, also, that two flanges are generally reckoned equal to one foot of pipe, though not strictly correct.

SECTION III.—TABLE 6.—Weight of 1 Foot, 5 Feet, and 10 Feet of ROUND IRON, according to the usual Make, by the Number of the Birmingham Wire Gauge.

No. of gauge.	Breadth of iron.	Weight of 1 foot.	Weight of 5 feet.	Weight of 10 feet	No. of gauge.	Breadth of iron.	Weight of 1 foot.	Weight of 5 feet.	Weight of 10 feet.
	inches.	lb. oz.	lb. oz.	lb. oz.		inches.	lb. oz.	lb. oz.	lb. oz.
22 or $\frac{1}{32}$	$\frac{1}{8}$	nearly 1	0 4½	0 8½	22 or $\frac{1}{32}$	1	0 1⅝	0 8½	1 1
21 [inch	$\frac{5}{32}$	0 1⅝	0 5½	0 11	21 [inch	1¼	0 2¼	0 11	1 6
20	$\frac{3}{16}$	0 1½	0 7	0 14	20	1¼	0 3	0 14	1 12
19	$\frac{7}{32}$	0 2	0 10	1 4	19	1⅜	0 4	1 4	2 8
18	1	0 2⅝	0 13	1 10	18	2	0 5⅛	1 10	3 4
17	1⅛	0 3¼	1 0⅛	2 1	17	2¼	0 6¼	2 1	4 2
16 or $\frac{1}{16}$	1¼	0 4¼	1 5⅛	2 11⅛	16 or $\frac{1}{16}$	2⅜	0 8⅛	2 11⅛	5 7
15	1⅜	0 5⅛	1 11¼	3 6⅛	15	2⅜	0 11	3 6½	6 13
15	1⅜	0 6	1 14	3 12	15	3	0 12	3 12	7 8
14	1⅜	0 7⅛	2 5⅛	4 11⅛	14	3⅛	0 15	4 11⅛	9 7
13	2	0 9⅛	3 0⅛	6 1	13	4	1 3	6 1	12 2
13	2¼	0 11	3 6⅛	6 13⅛	13	4¼	1 6	6 13⅛	13 11
12	2¼	0 14	4 7⅛	8 15⅛	12	5	1 12	8 15⅛	17 15
11 or ⅛	2⅜	1 1⅛	5 7	10 14	11 or ⅛	5⅛	2 3	10 14	21 12
11 or $\frac{1}{16}$	3	1 4	6 4	12 8	11 or $\frac{1}{16}$	6	2 8	12 8	25 0
11 or ¼	3⅛	1 9	7 13	15 10	11 or ¼	7	3 2	15 10	31 4
10	3	1 6	7 0⅛	14 1	10	6	2 12	14 1	28 2
10	3⅛	1 12	8 12	17 8	10	7	3 8	17 8	35 0
9	3	1 8⅛	7 13	15 10	9	6	3 0⅛	15 10	31 4
9	3⅛	1 14	9 6	18 12	9	7	3 12	18 12	37 8
8	3	1 11	8 8	17 0	8	6	3 6	17 0	34 0
8	3⅛	2 2	10 10	21 4	8	7	4 4	21 4	42 8
7 or $\frac{3}{16}$	3	1 14	9 6	18 12	7 or $\frac{3}{16}$	6	3 12	18 12	37 8
7 or $\frac{3}{16}$	3⅛	2 4	11 4	22 8	7 or $\frac{3}{16}$	7	4 8	22 8	45 0
7 or $\frac{3}{16}$	4	2 8	12 8	25 0	7 or $\frac{3}{16}$	8	5 0	25 0	50 0

Weight of 10 feet.			
qr.	lb.	oz.	
1	3	4	
1	0	2	
1	7	0	
1	3	4	
1	9	8	
1	6	0	
1	14	8	
1	9	8	
1	17	0	
2	1	8	
2	3	0	
2	5	8	
2	8	0	
2	10	8	
2	13	0	
2	15	8	
3	0	0	
3	2	8	
3	5	0	
3	7	8	
3	10	0	
3	12	8	
3	15	0	
4	0	0	

SECTION III.—TABLE 9.

LENGTHS, WEIGHTS, AND SIZES OF ROUND ROLLED IRON,

From One-quarter of an Inch in Diameter up to Five Inches, and from One Foot up to Ten Feet in Length.

Size of iron.	1 foot.	2 feet.	3 feet.	4 feet.	5 feet.	6 feet.	7 feet.	8 feet.	9 feet.	10 feet.
Inch	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.
¼	0 2½	0 5	0 7½	0 10½	0 13	0 15½	1 2½	1 5	1 7	1 9
⅜	0 5½	0 11½	1 2	1 7	1 13½	2 3½	2 9	2 15	3 5	3 7
½	0 10½	1 5	1 15½	2 10	3 4	3 15	4 9	5 3½	5 14	6 9
⅝	1 0½	2 1	3 1	4 1	5 2	6 2	7 2	8 2	9 2	10 2½
¾	1 7½	2 15	4 6½	5 14	7 5½	8 13	10 5	11 12	13 3½	14 11
⅞	2 0	4 0	6 0	8 0	10 0	12 0	14 0	16 0	18 0	20 0
1	2 10	5 3½	7 13	10 7	13 1	15 10½	18 5	20 14	23 5	26 4
1¼	3 5	6 10	9 15	13 4	16 8	19 13½	23 1	26 8	29 12	33 2
1½	4 1½	8 3	12 4	16 6	20 7	24 8	28 10	32 12	36 13	40 15
1¾	4 15	9 14	14 13	19 12	24 12	29 10	34 9	39 8	44 7½	49 6
2	5 14	11 12½	17 11	23 9	29 8	35 5	41 4	47 2	53 0	58 12
2¼	6 14½	13 13	20 12	27 10	34 8	41 7	48 6	55 5	62 2	69 1
2½	8 0	16 0	24 0½	32 1	40 1	48 1	56 1	64 1	72 1	80 0
2¾	9 3½	18 6½	27 10	36 13	46 0	55 4	64 7	73 10	82 13	92 1

2	10	7½	20	15	31	6	41	14	52	6	62	13	73	5	83	12	94	4	104	9
2⅛	11	13	23	10	35	7½	47	5	59	2	70	15	82	12	94	9	106	6	118	2
2¼	13	4	26	8	39	12	53	0	66	8	79	8	92	12	106	0	119	4	132	8
2⅜	14	12	29	8	44	4½	59	1	73	13	88	9	103	5	118	1	132	13	147	8
2½	16	5½	32	11½	49	1	65	7	81	13	98	2	114	8	130	14	147	4	163	7
2⅝	18	0½	36	1	54	1½	72	2	90	2	108	3	126	4	144	4	162	5	180	5
2¾	19	12½	39	9	59	6	79	2	98	15	118	12	138	8	158	6	178	2	197	13
2⅞	21	10	43	4	64	14	86	8	108	2	129	13	151	7	173	1	194	11	216	4
3	23	9	47	2	70	11	94	4	117	13	141	5	164	15	188	7	212	1	235	10
3⅛	25	9	51	2	76	11	102	4	127	13	153	6	178	15	204	7	230	1	255	10
3¼	27	10½	55	5	82	15½	110	10	138	4	165	15	193	9	221	4	248	14	276	9
3⅜	29	13	59	10	89	7½	119	5	149	2	178	15	208	12	238	9	268	6	298	2
3½	32	1	64	1	96	3	128	4	160	5	192	7	224	8	256	9	288	10	320	10
3⅝	34	6½	68	13	103	4	137	10	172	0	206	7	240	13	275	4	309	10	344	1
3¾	36	13	73	10	110	7	147	4	184	1	220	14	257	11	294	7	331	5	368	2
3⅞	39	5	78	10	117	15	157	4	196	8	235	14	275	2	314	8	353	12	393	2
4	41	14	83	12	125	10	167	8	209	7	251	9	293	2	335	1	376	15	418	12
4⅛	44	8½	89	1½	133	10	178	2	222	12	267	4	311	12	356	6	400	14	445	5
4¼	47	4½	94	9	141	13	189	2	236	6	283	11	330	15	378	4	425	8	472	13
4⅜	50	2	100	4	150	6	200	5	250	8	300	10	350	12	400	14	451	0	501	4
4½	53	0	106	0	159	0	212	1	265	1	318	1	371	1	424	1	477	1	530	0
4⅝	56	0	112	0	168	0	224	0	280	0	336	0	391	0	448	0	504	0	560	0
4¾	59	1	118	2	177	3	236	4	295	5	354	6	413	7	472	8	531	9	590	10
4⅞	62	3½	124	7	186	10	248	13	311	1	373	4	435	8	497	11	559	14	622	3
5	65	7	130	14	196	5	261	13	327	4	392	12	458	2	523	10	589	1	654	6

SECTION III.—TABLE 10.

LENGTHS, WEIGHTS, AND SIZES OF SQUARE ROLLED IRON,

From One-quarter of an Inch up to Five Inches, and from One Foot up to Ten Feet in Length.

Size of iron.	1 foot.	2 feet.	3 feet.	4 feet.	5 feet.	6 feet.	7 feet.	8 feet.	9 feet.	10 feet.
Inch	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.
¼	0 3¼	0 6½	0 10¼	0 14	1 1¼	1 5	1 8¼	1 10¼	1 14	2 1
⅜	0 7¼	0 15	1 6¼	1 14	2 5½	2 13	3 4¼	3 12	4 3¼	4 11
½	0 13	1 10¼	2 7¼	3 4	4 2¼	4 14	5 13	6 10	7 8	8 5
⅝	1 5	2 10	3 15	5 4	6 8	7 14	9 2	10 7¼	11 12	13 0
¾	1 14	3 12	5 10	7 8	9 6	11 4	13 1¼	14 15½	16 15	18 11¼
⅞	2 8¼	5 1	7 9¼	10 2	12 12	15 3	17 13	20 6¼	22 15¼	25 8
1	3 5	6 10	9 15	13 4	16 10	19 14	23 5	26 10¼	30 0	33 5
1¼	4 3¼	8 7	12 9¼	16 14	21 1¼	25 5	29 8	33 11	37 15¼	42 2
1½	5 3¼	10 6¼	15 9¼	20 13	26 0	31 3¼	36 7	41 11	46 13	52 0
1⅝	6 5	12 10	18 15	25 4	31 9	37 14	44 2	50 7¼	56 11¼	63 0
1¾	7 8	15 0	22 8	30 0	37 8	45 0	52 8	60 0	67 8	75 0
1⅞	8 13	17 10	26 7	35 4	44 1	52 14	61 10	70 6¼	79 3¼	88 0
2	10 3¼	20 7	30 10¼	40 14	51 0	61 4	71 6	81 10	91 14	102 0
2¼	11 11	23 7	35 1	46 14	58 8	70 4	81 15	93 10	105 5	117 2

2	13	5	26	10½	39	15	53	5	66	10	79	15	93	5	106	10	119	15	133	4
2⅛	15	1	30	2	45	3	60	4	75	4	90	5	105	5	120	8	135	6	150	8
2¼	16	14	33	12	50	10	67	6	84	6	101	3	118	1	134	15	151	14	168	11
2⅜	18	13	37	10	56	6½	75	4	94	0	112	13	131	10	150	6	169	4	188	0
2½	20	13	41	10	62	7	83	4	104	0	124	13	145	10	166	7	187	4	208	0
2⅝	25	15½	45	15	68	14½	91	13	114	14	137	12	160	12	183	10	206	10	229	10
2¾	26	3½	50	7	75	10½	100	14	126	0	151	4	176	6	201	10	226	13	252	0
2⅞	27	8½	55	2	82	10	110	4	137	12	165	5	192	14	220	6	247	14	275	8
3	30	0	60	0	90	0	120	0	150	0	180	0	210	0	240	0	270	0	300	0
3⅛	32	8½	65	1	97	10½	130	4	162	12	195	4	227	14	260	6	292	15	325	8
3¼	35	3½	70	7	105	10	140	14	176	0	211	4	246	6	281	10	316	13	352	3
3⅜	37	15½	75	15	113	14	151	14	189	14	227	12	265	12	303	10	341	10	379	11
3½	40	13	81	10	122	6	163	4	204	0	244	14	285	10	326	6	367	4	408	2
3⅝	43	14	87	12	131	7	175	4	219	0	262	13	306	10	350	6	394	4	438	12
3¾	46	11	93	12	140	10	187	6	234	5	281	4	328	1	374	14	421	13	468	12
3⅞	50	1	100	2	150	2	200	4	250	4	300	5	350	5	400	6	450	7	500	10
4	53	5	106	10	159	15	213	4	266	10	319	14	373	5	426	10	479	15	533	2
4⅛	56	11	113	6	170	2	226	12	283	8	340	4	396	15	453	11	510	5	566	14
4¼	60	3	120	6	180	10	240	12	301	0	361	4	421	7	481	10	541	13	601	14
4⅜	63	13	127	10	191	6	255	4	319	0	382	13	446	10	510	6	574	3	638	2
4½	67	8	135	0	202	8	270	0	337	8	405	0	472	8	540	0	607	8	675	0
4⅝	71	5	142	10	213	15	285	4	356	8	427	13	499	2	570	6	641	12	713	2
4¾	75	4	150	7	225	12	300	14	376	0	451	4	526	7	601	10	676	13	752	8
4⅞	79	4	158	7	237	12	316	15	396	1	475	4	554	7	633	11	712	13	792	8
5	83	5	166	10	249	15	333	4	416	10	499	15	583	5	666	10	749	15	833	2

SECTION III.—TABLE 11.—Weight of Flat Rolled Iron, One-quarter of an Inch thick, advancing in Breadth from Three-quarters of an Inch up to Six Inches, and from One Foot to Ten Feet in Length.

Width of iron.	1 foot.	2 feet.	3 feet.	4 feet.	5 feet.	6 feet.	7 feet.	8 feet.	9 feet.	10 feet.
in.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.
¾	0 10	1 4	1 14	2 8	3 2	3 12	4 6	5 0	5 10	6 4
⅞	0 11½	1 7½	2 3½	2 15	3 10½	4 6½	5 2½	5 14	6 9½	7 5½
1	0 13	1 10	2 7	3 4	4 1	4 14	5 11	6 8	7 5	8 2
1⅛	0 15	1 14	2 13	3 12	4 11	5 10	6 9	7 8	8 7	9 6
1¼	1 1	2 2	3 3	4 4	5 5	6 6	7 7	8 8	9 9	10 10
1⅜	1 2½	2 4½	3 6½	4 9	5 11½	6 13½	7 15½	9 2	10 4½	11 6½
1½	1 4	2 8	3 12	5 0	6 4	7 8	8 12	10 0	11 4	12 8
1⅝	1 6	2 12	4 2	5 8	6 14	8 4	9 10	11 0	12 8	13 12
1¾	1 7½	2 15	4 6½	5 14	7 5½	8 13	10 4½	11 12	13 3	14 11
1⅞	1 9	3 2	4 11	6 4	7 13	9 6	10 13	12 8	14 1	15 10
2	1 10½	3 5	4 15½	6 10	8 4½	9 15	11 9½	13 4	14 14½	16 9
2⅛	1 12	3 8	5 4	7 0	8 12	10 8	12 4	14 0	15 12	17 8
2¼	1 14	3 12	5 10	7 8	9 6	11 4	13 2	15 0	16 14	18 12
2⅜	1 15½	3 15	5 14½	7 14	9 13	11 13	13 12	15 12	17 11	19 11
2½	2 1½	4 3	6 4½	8 6	10 7½	12 9	14 10½	16 12	18 13½	20 15
2⅝	2 3	4 6	6 9	8 12	10 15	13 2	15 5	17 8	19 11	21 14
2¾	2 4½	4 9	6 13½	9 2	11 6½	13 11	15 15½	18 4	20 8½	22 13
2⅞	2 6	4 12	7 2	9 8	11 14	14 4	16 10	19 0	21 6	23 12

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SECTION III.—TABLE 12.—Weight of Flat Rolled Iron, Three-eighths of an Inch thick, advancing in Breadth from Three-quarters of an Inch up to Six Inches, and from One Foot up to Ten Feet in Length.

Width of iron.	1 foot.	2 feet.	3 feet.	4 feet.	5 feet.	6 feet.	7 feet.	8 feet.	9 feet.	10 feet.
inch	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.
¾	0 15	1 14	2 13	3 12	4 11	5 10	6 9	7 8	8 7	9 6
⅞	1 1½	2 3	3 4½	4 6	5 7½	6 9	7 10½	8 12	9 13½	10 15
1	1 4	2 8	3 12	5 0	6 4	7 8	8 12	10 0	11 4	12 8
1⅛	1 6½	2 13	4 3½	5 10	7 0½	8 7	9 13½	11 4	12 10½	14 1
1¼	1 9	3 2	4 11	6 4	7 13	9 6	10 15	12 8	14 1	15 10
1⅜	1 11½	3 7	5 2½	6 14	8 9½	10 5	12 0½	13 12	15 7½	17 3
1½	1 14	3 12	5 10	7 8	9 6	11 4	13 2	15 0	16 14	18 12
1⅝	2 0½	4 1	6 1½	8 2	10 2½	12 3	14 3½	16 4	18 4½	20 5
1¾	2 3	4 6	6 9	8 12	10 15	13 2	15 5	17 8	19 11	21 14
1⅞	2 5½	4 11	7 0½	9 6	11 11½	14 1	16 6½	18 12	21 1½	23 7
2	2 8	5 0	7 8	10 0	12 8	15 0	17 8	20 0	22 8	25 0
2⅛	2 10½	5 5	7 15½	10 10	13 4½	15 15	18 9½	21 4	23 14½	26 9
2¼	2 13	5 10	8 7	11 4	14 1	16 14	19 11	22 8	25 5	28 2
2⅜	2 15½	5 15	8 14½	11 14	14 13½	17 13	20 12½	23 12	26 11½	29 11
2½	3 2	6 4	9 6	12 8	15 10	18 12	21 14	25 0	28 2	31 4
2⅝	3 4½	6 9	9 13½	13 2	16 6½	19 11	22 15½	26 4	29 8½	32 13
2¾	3 7	6 14	10 5	13 12	17 3	20 10	24 1	27 8	30 15	34 6
2⅞	3 9½	7 3	10 12½	14 6	17 15½	21 9	25 2½	28 12	32 5½	35 15

3	3	12	7	8	11	4	15	0	18	12	22	8	26	4	30	0	33	12	37	8
3¼	3	14½	7	13	11	11½	15	10	19	8½	23	7	27	5½	31	4	35	2½	39	1
3½	4	1	8	2	12	3	16	4	20	5	24	6	28	7	32	8	36	9	40	10
3¾	4	3½	8	7	12	10½	16	14	21	1½	25	5	29	8½	33	12	37	15½	42	3
3¼	4	6	8	12	13	2	17	8	21	14	26	4	30	10	35	0	39	6	43	12
3¾	4	8½	9	1	13	9½	18	2	22	10½	27	3	31	11½	36	4	40	12½	45	5
3¾	4	11	9	6	14	1	18	12	23	7	28	2	32	13	37	8	42	3	46	14
3¾	4	13½	9	11	14	8½	19	6	24	3½	29	1	33	14½	38	12	43	9½	48	7
4	5	0	10	0	15	0	20	0	25	0	30	0	35	0	40	0	45	0	50	0
4¼	5	2½	10	5	15	7½	20	10	25	12½	30	15	36	1½	41	4	46	6½	51	9
4½	5	5	10	10	15	15	21	4	26	9	31	14	37	8	42	8	47	13	53	2
4¾	5	7½	10	15	16	6½	21	14	27	5½	32	13	38	4½	43	12	49	3½	54	11
4¾	5	10	11	4	16	14	22	8	28	2	33	12	39	6	45	0	50	10	56	4
4¾	5	12½	11	9	17	5½	23	2	28	14½	34	11	40	7½	46	4	52	0½	57	13
4¾	5	15	11	14	17	13	23	12	29	11	35	10	41	9	47	8	53	7	59	6
4¾	6	1½	12	3	18	4½	24	6	30	7½	36	9	42	10½	48	12	54	13½	60	15
5	6	4	12	8	18	12	25	0	31	4	37	8	43	12	50	0	56	4	62	8
5¼	6	6½	12	13	19	3½	25	10	32	0½	38	7	44	13½	51	4	57	10½	64	1
5½	6	9	13	2	19	11	26	4	32	13	39	6	45	15	52	8	59	1	65	10
5¾	6	11½	13	7	20	2½	26	14	33	9½	40	5	47	0½	53	12	60	7½	67	3
5¾	6	14	13	12	20	10	27	8	34	6	41	4	48	2	55	0	61	14	68	12
5¾	7	0½	14	1	21	1½	28	2	35	2½	42	3	49	3½	56	4	63	4½	70	5
5¾	7	3	14	6	21	9	28	12	35	15	43	2	50	5	57	8	64	11	71	14
5¾	7	5½	14	11	22	0½	29	6	36	11½	44	1	51	6½	58	12	66	1½	73	7
6	7	8	15	0	22	8	30	0	37	8	45	0	52	8	60	0	67	8	75	0

SECTION III.—TABLE 13.—Weight of Flat Rolled Iron, Half an Inch thick, advancing in Breadth from Three-quarters of an Inch up to Six Inches, and from One Foot up to Ten Feet in Length.

Width of iron.	1 foot.	2 feet.	3 feet.	4 feet.	5 feet.	6 feet.	7 feet.	8 feet.	9 feet.	10 feet.
inch	lb. oz	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz	lb. oz.
¾	1 4	2 8	3 12	5 0	6 4	7 8	8 12	10 0	11 4	12 8
⅞	1 7½	2 15	4 6½	5 14	7 5½	8 13	9 4½	10 12	13 3½	14 11
1	1 10½	3 5	5 0	6 10½	8 5	9 15½	11 10	13 4	14 15	16 9
1⅛	1 14	3 12	5 10	7 8	9 6	11 4	13 2	15 0	16 14	18 12
1¼	2 1½	4 2½	6 4	8 6	10 7	12 9	14 10	16 12	18 12	20 15
1⅜	2 4½	4 9	6 14	9 2	11 7	13 12	16 0	18 4	20 10	22 13
1½	2 8	5 0	7 8	10 0	12 8	15 0	17 8	20 0	22 8	25 0
1⅝	2 11½	5 6½	8 2	10 14	13 8	16 4	19 0½	21 12	24 6	27 1
1¾	2 15	5 13	8 12	11 12	14 9	17 8	20 9	23 8	26 4	29 3
1⅞	3 2	6 3½	9 6	12 8	15 10	18 12	21 14	24 0	28 2	31 4
2	3 5½	6 10½	10 0	13 5	16 10½	20 0	23 5	26 10	30 0	33 5
2⅛	3 9	7 1	10 10	14 4	17 11	21 4	24 15	28 8	31 14	35 6
2¼	3 12	7 7½	11 4	15 0	18 12	22 8	26 4	30 0	33 12	37 8
2⅜	3 15	7 15	11 14	15 12	19 11	23 12	27 10	31 10	35 10	39 9
2½	4 2½	8 5½	12 8	16 10½	20 13	25 0	29 2	33 4	37 7	41 10
2⅝	4 5½	8 12	13 2	17 6	21 13½	26 4	30 10	34 12	39 1	43 12
2¾	4 9	9 3	13 12	18 4	22 15	27 8	32 0	36 8	41 1	45 14
2⅞	4 12½	9 9	14 6	19 2	24 0	28 12	33 8	38 4	43 0	48 0

3	5	0	10	0	15	0	20	0	25	0	30	0	35	0	40	0	45	0	50	0
3⅛	5	3⅛	10	6¼	15	10	20	14	26	1	31	4	36	7	41	12	46	15	52	2
3¼	5	7	10	13	16	4	21	12	27	2	32	8	37	14	43	8	48	14	54	4
3⅜	5	10	11	3⅛	16	14	22	8	28	2	33	12	39	6	45	0	50	10	56	5
3½	5	13½	11	10½	17	8	23	5	29	2½	35	0	40	13	46	10	52	8	58	7
3⅝	6	1	12	1¼	18	2	24	4	30	3	36	4	42	6	48	8	54	8	60	8
3¾	6	4	12	7½	18	12	25	0	31	4	37	8	43	14	50	0	56	4	62	8
3⅞	6	7	12	14	19	6	25	12	32	4	38	12	45	4	51	8	57	13	64	8
4	6	10½	13	5	20	0	26	10½	33	5	40	0	46	10	53	4	60	0	66	9
4⅛	6	14	13	11½	20	10	27	8	34	6	41	4	48	2	55	0	61	14	68	10
4¼	7	1	14	2	21	4	28	4	35	7	42	8	49	10	56	8	63	9	70	12
4⅜	7	4½	14	9	21	14	29	2	36	7	43	12	51	0	58	4	65	8	72	14
4½	7	8	15	0	22	8	30	0	37	8	45	0	52	8	60	0	67	8	75	0
4⅝	7	11	15	6¼	23	2	30	12	38	8	46	4	54	0	61	9	69	3	77	2
4¾	7	14½	15	13	23	12	31	10	39	9	47	8	55	5	63	4	71	2	79	4
4⅞	8	2	16	4	24	6	32	8	40	10	48	12	56	13	65	0	73	2	81	6
5	8	5½	16	10½	25	0	33	4½	41	10	50	0	58	4	66	9	74	14	83	7
5⅛	8	8½	17	1	25	10	34	2	42	11	51	4	59	12	68	4	76	12	85	10
5¼	8	11½	17	7½	26	4	34	14	43	12	52	8	61	4	69	12	78	8	87	4
5⅜	8	15	17	14½	26	14	35	12	44	13	53	12	62	10	71	10	80	7	89	6
5½	9	2½	18	5½	27	8	36	10½	45	14	55	0	64	2	73	4	82	8	91	4
5⅝	9	6	18	12	28	2	37	8	46	15	56	4	65	10	75	0	84	6	93	12
5¾	9	9	19	3	28	12	38	4	47	15	57	8	67	0	76	10	86	1	95	10
5⅞	9	12½	19	9	29	6	39	2	49	0	58	12	68	8	78	4	88	0	97	13
6	10	0	20	0	30	0	40	0	50	0	60	0	70	0	80	0	90	0	100	0

lb.	oz.	lb.	oz.	lb.	oz.	lb.	oz.	lb.	oz.	lb.	oz.
14	1	18	13½	23	0	27	14	32	4	36	9
16	6	21	10	25	14	30	10	35	6	40	2
		23	14	28	0	33	14	38	8	43	4
		25	14	30	10	36	14	41	10	46	6
		28	0	33	14			44	12	49	8
		30	10	36	14			47	14	53	0
		33	14					50	15	56	11
								53	16	59	13
								56	17	62	14
								59	18	65	15
								62	19	68	16
								65	20	71	17
								68	21	74	18
								71	22	77	19
								74	23	80	20
								77	24	83	21
								80	25	86	22
								83	26	89	23
								86	27	92	24
								89	28	95	25
								92	29	98	26
								95	30	101	27
								98	31	104	28
								101	32	107	29
								104	33	110	30
								107	34	113	31
								110	35	116	32
								113	36	119	33
								116	37	122	34
								119	38	125	35
								122	39	128	36
								125	40	131	37
								128	41	134	38
								131	42	137	39
								134	43	140	40
								137	44	143	41
								140	45	146	42
								143	46	149	43
								146	47	152	44
								149	48	155	45
								152	49	158	46
								155	50	161	47
								158	51	164	48
								161	52	167	49
								164	53	170	50
								167	54	173	51
								170	55	176	52
								173	56	179	53
								176	57	182	54
								179	58	185	55
								182	59	188	56
								185	60	191	57
								188	61	194	58
								191	62	197	59
								194	63	200	60
								197	64	203	61
								200	65	206	62
								203	66	209	63
								206	67	212	64
								209	68	215	65
								212	69	218	66
								215	70	221	67
								218	71	224	68
								221	72	227	69
								224	73	230	70
								227	74	233	71
								230	75	236	72
								233	76	239	73
								236	77	242	74
								239	78	245	75
								242	79	248	76
								245	80	251	77
								248	81	254	78
								251	82	257	79
								254	83	260	80
								257	84	263	81
								260	85	266	82
								263	86	269	83
								266	87	272	84
								269	88	275	85
								272	89	278	86
								275	90	281	87
								278	91	284	88
								281	92	287	89
								284	93	290	90
								287	94	293	91
								290	95	296	92
								293	96	299	93
								296	97	302	94
								299	98	305	95
								302	99	308	96
								305	100	311	97
								308	101	314	98
								311	102	317	99
								314	103	320	100

3	6	4	12	8	18	12	25	0	31	4	37	8	43	12	50	0	56	4	62	8
3⅛	6	8	13	0	19	8	26	0	32	8	39	0	45	8	52	0	58	8	65	0
3¼	6	12	13	8	20	4	27	0	33	12	40	8	47	4	54	0	60	12	67	12
3⅜	7	0	14	0	21	0	28	0	35	0	42	0	49	0	56	0	63	0	70	0
3½	7	4	14	8	21	12	29	0	36	4	43	8	50	12	58	0	65	4	72	8
3⅝	7	8	15	0	22	8	30	0	37	8	45	0	52	8	60	0	67	8	75	0
3¾	7	12½	15	9	23	5½	31	2	38	14	46	11	54	7½	62	4	70	0½	77	13
3⅞	8	1	16	2	24	3	32	4	40	5	48	6	56	7	64	8	72	9	80	10
4	8	5½	16	11	25	0½	33	6	41	11½	50	1	58	6½	66	12	75	1½	83	7
4⅛	8	9½	17	3	25	12½	34	6	42	15½	51	9	60	2½	68	12	77	5½	85	15½
4¼	8	13½	17	11	26	8½	35	8	44	3½	53	1½	61	14½	70	12	79	9½	88	7
4⅜	9	2	18	4	27	6	36	8	45	10	54	12	63	14	73	0	82	2	91	4
4½	9	6	18	12	28	2	37	8	46	14	56	4	65	10	75	0	84	6	93	12
4⅝	9	10	19	4	28	14	38	8	48	2	57	12	67	6	77	0	86	10	96	4
4¾	9	14	19	12	29	10	39	8	49	6	59	4	69	2	79	0	88	14	98	12
4⅞	10	2	20	4	30	6	40	8	50	10	60	12	70	14	81	0	91	2	101	4
5	10	6½	20	13	31	3½	41	10	52	0½	62	7	72	13	83	4	93	10½	104	1
5⅛	10	10½	21	5	31	15½	42	10	53	4½	63	15	74	9½	85	4	95	14½	106	9
5¼	10	14½	21	13	32	11½	43	10	54	8½	65	7	76	5½	87	4	98	2½	109	1
5⅜	11	2½	22	5	33	7½	44	10	55	12½	66	15	78	1½	89	4	100	6½	111	9
5½	11	6½	22	13	34	3½	45	10	57	0½	68	7	79	13½	91	4	102	10½	114	1
5⅝	11	11	23	6	35	1	46	12	58	7	70	2	81	13	93	8	105	3	116	14
5¾	11	15	23	14	35	13	47	12	59	11	71	10	83	9	95	8	107	7	119	6
5⅞	12	3½	24	7	36	10½	48	14	61	1½	73	5	85	8½	97	12	109	15½	122	3
6	12	8	25	0	37	8	50	0	62	8	75	0	87	8	100	0	112	8	125	0

SECTION III.—TABLE 9.

LENGTHS, WEIGHTS, AND SIZES OF ROUND ROLLED IRON,

From One-quarter of an Inch in Diameter up to Five Inches, and from One Foot up to Ten Feet in Length.

Size of iron.	1 foot.	2 feet.	3 feet.	4 feet.	5 feet.	6 feet.	7 feet.	8 feet.	9 feet.	10 feet.
Inch	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz..	lb. oz.	lb. oz.	lb. oz.
¼	0 2½	0 5	0 7½	0 10½	0 13	0 15½	1 2½	1 5	1 7	1 9
5/16	0 5½	0 11½	1 2	1 7	1 13½	2 3½	2 9	2 15	3 5	3 7
⅜	0 10½	1 5	1 15½	2 10	3 4	3 15	4 9	5 3½	5 14	6 9
⅞	1 0½	2 1	3 1	4 1	5 2	6 2	7 2	8 2	9 2	10 2½
7/16	1 7½	2 15	4 6½	5 14	7 5½	8 13	10 5	11 12	13 3½	14 11
½	2 0	4 0	6 0	8 0	10 0	12 0	14 0	16 0	18 0	20 0
1	2 10	5 3½	7 13	10 7	13 1	15 10½	18 5	20 14	23 5	26 4
1¼	3 5	6 10	9 15	13 4	16 8	19 13½	23 1	26 8	29 12	33 2
1½	4 1½	8 3	12 4	16 6	20 7	24 8	28 10	32 12	36 13	40 15
1⅝	4 15	9 14	14 13	19 12	24 12	29 10	34 9	39 8	44 7½	49 6
1¾	5 14	11 12½	17 11	23 9	29 8	35 5	41 4	47 2	53 0	58 12
1⅞	6 14½	13 13	20 12	27 10	34 8	41 7	48 6	55 5	62 2	69 1
1⅞	8 0	16 0	24 0½	32 1	40 1	48 1	56 1	64 1	72 1	80 0
1⅞	9 3½	18 6½	27 10	36 13	46 0	55 4	64 7	73 10	82 13	92 1

2	10	7½	20	15	31	6	41	14	52	6	62	13	73	5	83	12	94	4	104	9
2⅛	11	13	23	10	35	7½	47	5	59	2	70	15	82	12	94	9	106	6	118	2
2¼	13	4	26	8	39	12	53	0	66	8	79	8	92	12	106	0	119	4	132	8
2⅜	14	12	29	8	44	4½	59	1	73	13	88	9	103	5	118	1	132	13	147	8
2½	16	5½	32	11½	49	1	65	7	81	13	98	2	114	8	130	14	147	4	163	7
2⅝	18	0½	36	1	54	1½	72	2	90	2	108	3	126	4	144	4	162	5	180	5
2¾	19	12½	39	9	59	6	79	2	98	15	118	12	138	8	158	6	178	2	197	13
2⅞	21	10	43	4	64	14	86	8	108	2	129	13	151	7	173	1	194	11	216	4
3	23	9	47	2	70	11	94	4	117	13	141	5	164	15	188	7	212	1	235	10
3⅛	25	9	51	2	76	11	102	4	127	13	153	6	178	15	204	7	230	1	255	10
3¼	27	10½	55	5	82	15½	110	10	138	4	165	15	193	9	221	4	248	14	276	9
3⅜	29	13	59	10	89	7½	119	5	149	2	178	15	208	12	238	9	268	6	298	2
3½	32	1	64	1	96	3	128	4	160	5	192	7	224	8	256	9	288	10	320	10
3⅝	34	6½	68	13	103	4	137	10	172	0	206	7	240	13	275	4	309	10	344	1
3¾	36	13	73	10	110	7	147	4	184	1	220	14	257	11	294	7	331	5	368	2
3⅞	39	5	78	10	117	15	157	4	196	8	235	14	275	2	314	8	353	12	393	2
4	41	14	83	12	125	10	167	8	209	7	251	9	293	2	335	1	376	15	418	12
4⅛	44	8½	89	1½	133	10	178	2	222	12	267	4	311	12	356	6	400	14	445	5
4¼	47	4½	94	9	141	13	189	2	236	6	283	11	330	15	378	4	425	8	472	13
4⅜	50	2	100	4	150	6	200	5	250	8	300	10	350	12	400	14	451	0	501	4
4½	53	0	106	0	159	0	212	1	265	1	318	1	371	1	424	1	477	1	530	0
4⅝	56	0	112	0	168	0	224	0	280	0	336	0	391	0	448	0	504	0	560	0
4¾	59	1	118	2	177	3	236	4	295	5	354	6	413	7	472	8	531	9	590	10
4⅞	62	3½	124	7	186	10	248	13	311	1	373	4	435	8	497	11	559	14	622	3
5	65	7	130	14	196	5	261	13	327	4	392	12	458	2	523	10	589	1	654	6

SECTION III.—TABLE 10.

LENGTHS, WEIGHTS, AND SIZES OF SQUARE ROLLED IRON,

From One-quarter of an Inch up to Five Inches, and from One Foot up to Ten Feet in Length.

Size of iron.	1 foot.	2 feet.	3 feet.	4 feet.	5 feet.	6 feet.	7 feet.	8 feet.	9 feet.	10 feet.
Inch	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.
¼	0 3½	0 6½	0 10½	0 14	1 1½	1 5	1 8½	1 10½	1 14	2 1
5/16	0 7½	0 15	1 6½	1 14	2 5½	2 13	3 4½	3 12	4 3½	4 11
⅜	0 13	1 10½	2 7½	3 4	4 2½	4 14	5 13	6 10	7 8	8 5
7/16	1 5	2 10	3 15	5 4	6 8	7 14	9 2	10 7½	11 12	13 0
½	1 14	3 12	5 10	7 8	9 6	11 4	13 1½	14 15½	16 15	18 11½
⅝	2 8½	5 1	7 9½	10 2	12 12	15 3	17 13	20 6½	22 15½	25 8
1	3 5	6 10	9 15	13 4	16 10	19 14	23 5	26 10½	30 0	33 5
1⅛	4 3½	8 7	12 9½	16 14	21 1½	25 5	29 8	33 11	37 15½	42 2
1¼	5 3½	10 6½	15 9½	20 13	26 0	31 3½	36 7	41 11	46 13	52 0
1⅜	6 5	12 10	18 15	25 4	31 9	37 14	44 2	50 7½	56 11½	63 0
1½	7 8	15 0	22 8	30 0	37 8	45 0	52 8	60 0	67 8	75 0
1⅝	8 13	17 10	26 7	35 4	44 1	52 14	61 10	70 6½	79 3½	88 0
1¾	10 3½	20 7	30 10½	40 14	51 0	61 4	71 6	81 10	91 14	102 0
1⅞	11 11	23 7	35 1	46 14	58 8	70 4	81 15	93 10	105 5	117 2

2	13	5	26	10½	39	15	53	5	66	10	79	15	93	5	106	10	119	15	133	4
2⅛	15	1	30	2	45	3	60	4	75	4	90	5	105	5	120	8	135	6	150	8
2¼	16	14	33	12	50	10	67	8	84	6	101	3	118	1	134	15	151	14	168	11
2⅜	18	13	37	10	56	6½	75	4	94	0	112	13	131	10	150	6	169	4	188	0
2½	20	13	41	10	62	7	83	4	104	0	124	13	145	10	166	7	187	4	208	0
2⅝	25	15½	45	15	68	14½	91	13	114	14	137	12	160	12	183	10	206	10	229	10
2¾	26	3½	50	7	75	10½	100	14	126	0	151	4	176	6	201	10	226	13	252	0
2⅞	27	8½	55	2	82	10	110	4	137	12	165	5	192	14	220	6	247	14	275	8
3	30	0	60	0	90	0	120	0	150	0	180	0	210	0	240	0	270	0	300	0
3⅛	32	8½	65	1	97	10½	130	4	162	12	195	4	227	14	260	6	292	15	325	8
3¼	35	3½	70	7	105	10	140	14	176	0	211	4	246	6	281	10	316	13	352	3
3⅜	37	15½	75	15	113	14	151	14	189	14	227	12	265	12	303	10	341	10	379	11
3½	40	13	81	10	122	6	163	4	204	0	244	14	285	10	326	6	367	4	408	2
3⅝	43	14	87	12	131	7	175	4	219	0	262	13	306	10	350	6	394	4	438	12
3¾	46	11	93	12	140	10	187	6	234	5	281	4	328	1	374	14	421	13	468	12
3⅞	50	1	100	2	150	2	200	4	250	4	300	5	350	5	400	6	450	7	500	10
4	53	5	106	10	159	15	213	4	266	10	319	14	373	5	426	10	479	15	533	2
4⅛	56	11	113	6	170	2	226	12	283	8	340	4	396	15	453	11	510	5	566	14
4¼	60	3	120	6	180	10	240	12	301	0	361	4	421	7	481	10	541	13	601	14
4⅜	63	13	127	10	191	6	255	4	319	0	382	13	446	10	510	6	574	3	638	2
4½	67	8	135	0	202	8	270	0	337	8	405	0	472	8	540	0	607	8	675	0
4⅝	71	5	142	10	213	15	285	4	356	8	427	13	499	2	570	6	641	12	713	2
4¾	75	4	150	7	225	12	300	14	376	0	451	4	526	7	601	10	676	13	752	8
4⅞	79	4	158	7	237	12	316	15	396	1	475	4	554	7	633	11	712	13	792	8
5	83	5	166	10	249	15	333	4	416	10	499	15	583	5	666	10	749	15	833	2

SECTION III.—TABLE 11.—Weight of Flat Rolled Iron, One-quarter of an Inch thick, advancing in Breadth from Three-quarters of an Inch up to Six Inches, and from One Foot to Ten Feet in Length.

Width of iron.	1 foot.	2 feet.	3 feet.	4 feet.	5 feet.	6 feet.	7 feet.	8 feet.	9 feet.	10 feet.
in.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.
¾	0 10	1 4	1 14	2 8	3 2	3 12	4 6	5 0	5 10	6 4
⅞	0 11½	1 7½	2 3½	2 15	3 10½	4 6½	5 2½	5 14	6 9½	7 5½
1	0 13	1 10	2 7	3 4	4 1	4 14	5 11	6 8	7 5	8 2
1⅛	0 15	1 14	2 13	3 12	4 11	5 10	6 9	7 8	8 7	9 6
1¼	1 1	2 2	3 3	4 4	5 5	6 6	7 7	8 8	9 9	10 10
1⅜	1 2½	2 4½	3 6½	4 9	5 11½	6 13½	7 15½	9 2	10 4½	11 6½
1½	1 4	2 8	3 12	5 0	6 4	7 8	8 12	10 0	11 4	12 8
1⅝	1 6	2 12	4 2	5 8	6 14	8 4	9 10	11 0	12 8	13 12
1¾	1 7½	2 15	4 6½	5 14	7 5½	8 13	10 4½	11 12	13 3	14 11
1⅞	1 9	3 2	4 11	6 4	7 13	9 6	10 13	12 8	14 1	15 10
2	1 10½	3 5	4 15½	6 10	8 4½	9 15	11 9½	13 4	14 14½	16 9
2⅛	1 12	3 8	5 4	7 0	8 12	10 8	12 4	14 0	15 12	17 8
2¼	1 14	3 12	5 10	7 8	9 6	11 4	13 2	15 0	16 14	18 12
2⅜	1 15½	3 15	5 14½	7 14	9 13	11 13	13 12	15 12	17 11	19 11
2½	2 1½	4 3	6 4½	8 6	10 7½	12 9	14 10½	16 12	18 13½	20 15
2⅝	2 3	4 6	6 9	8 12	10 15	13 2	15 5	17 8	19 11	21 14
2¾	2 4½	4 9	6 13½	9 2	11 6½	13 11	15 15½	18 4	20 8½	22 13
2⅞	2 6	4 12	7 2	9 8	11 14	14 4	16 10	19 0	21 6	23 12

3	2	8	5	0	7	8	10	0	12	8	15	0	17	8	20	0	22	8	25	0
3 1/8	2	9 1/2	5	3	7	12 1/2	10	6	12	15 1/2	15	9	18	2 1/2	20	12	23	5	25	15
3 1/4	2	11 1/2	5	7	8	2 1/2	10	14	13	9 1/2	16	5	19	0 1/2	21	12	24	7 1/2	27	3
3 3/8	2	13	5	10	8	7	11	4	14	1	16	14	19	11	22	8	25	5	28	2
3 1/2	2	14 1/2	5	13	8	11 1/2	11	10	14	8 1/2	17	7	20	5 1/2	23	4	26	2 1/2	29	1
3 5/8	3	0 1/2	6	1	9	1 1/2	12	2	15	2 1/2	18	3	21	3 1/2	24	4	27	4 1/2	30	5
3 3/4	3	2	6	4	9	6	12	8	15	10	18	12	21	14	25	0	28	2	31	4
3 7/8	3	3 1/2	6	7	9	10 1/2	12	14	16	1 1/2	19	5	22	8 1/2	25	12	28	15 1/2	32	3
4	3	5 1/2	6	11	10	0 1/2	13	6	16	11 1/2	20	1	23	6 1/2	26	12	30	1 1/2	33	7
4 1/8	3	7	6	14	10	5	13	12	17	3	20	10	24	1	27	8	30	15	34	6
4 1/4	3	8 1/2	7	1	10	9 1/2	14	2	17	10 1/2	21	3	24	11 1/2	28	4	31	12	35	5
4 3/8	3	10	7	4	10	14	14	8	18	2	21	12	25	6	29	0	32	10	36	4
4 1/2	3	12	7	8	11	4	15	0	18	12	22	8	26	4	30	0	33	12	37	8
4 5/8	3	13 1/2	7	11	11	8 1/2	15	6	19	3 1/2	23	1	26	14 1/2	30	12	34	9 1/2	38	7
4 3/4	3	15 1/2	7	15	11	14 1/2	15	14	19	11 1/2	23	13	27	12 1/2	31	12	35	11 1/2	39	11
4 7/8	4	1 1/2	8	3	12	4 1/2	16	6	20	7 1/2	24	9	28	10 1/2	32	12	36	13 1/2	40	15
5	4	3	8	6	12	9	16	12	20	15	25	2	29	5	33	8	37	11	41	14
5 1/8	4	4 1/2	8	9	12	13 1/2	17	2	21	6 1/2	25	11	29	15 1/2	34	4	38	5 1/2	42	13
5 1/4	4	6	8	12	13	2	17	8	21	14	26	4	30	10	35	0	39	6	43	12
5 3/8	4	7 1/2	9	15	13	6 1/2	17	14	22	5 1/2	26	13	31	4 1/2	35	12	40	3 1/2	44	11
5 1/2	4	9	9	2	13	11	18	4	22	13	27	6	31	15	36	8	41	1	45	10
5 5/8	4	10 1/2	9	5	13	15 1/2	18	10	23	4 1/2	27	15	32	9 1/2	37	4	41	14 1/2	46	9
5 3/4	4	12 1/2	9	9	14	5 1/2	19	2	23	14 1/2	28	11	33	7 1/2	38	4	43	0 1/2	47	13
5 7/8	4	14 1/2	9	12 1/2	14	10 1/2	19	9	24	7 1/2	29	5 1/2	34	3 1/2	39	4	44	0 1/2	48	14 1/2
6	5	0	10	0	15	0	20	0	25	0	30	0	35	0	40	0	45	0	50	0

SECTION III.—TABLE 12.—Weight of Flat Rolled Iron, Three-eighths of an Inch thick, advancing in Breadth from Three-quarters of an Inch up to Six Inches, and from One Foot up to Ten Feet in Length.

Width of iron.	1 foot.	2 feet.	3 feet.	4 feet.	5 feet.	6 feet.	7 feet.	8 feet.	9 feet.	10 feet.
inch	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.
¾	0 15	1 14	2 13	3 12	4 11	5 10	6 9	7 8	8 7	9 6
⅞	1 1½	2 3	3 4½	4 6	5 7½	6 9	7 10½	8 12	9 13½	10 15
1	1 4	2 8	3 12	5 0	6 4	7 8	8 12	10 0	11 4	12 8
1⅛	1 6½	2 13	4 3½	5 10	7 0½	8 7	9 13½	11 4	12 10½	14 1
1¼	1 9	3 2	4 11	6 4	7 13	9 6	10 15	12 8	14 1	15 10
1⅜	1 11½	3 7	5 2½	6 14	8 9½	10 5	12 0½	13 12	15 7½	17 3
1½	1 14	3 12	5 10	7 8	9 6	11 4	13 2	15 0	16 14	18 12
1⅝	2 0½	4 1	6 1½	8 2	10 2½	12 3	14 3½	16 4	18 4½	20 5
1¾	2 3	4 6	6 9	8 12	10 15	13 2	15 5	17 8	19 11	21 14
1⅞	2 5½	4 11	7 0½	9 6	11 11½	14 1	16 6½	18 12	21 1½	23 7
2	2 8	5 0	7 8	10 0	12 8	15 0	17 8	20 0	22 8	25 0
2⅛	2 10½	5 5	7 15½	10 10	13 4½	15 15	18 9½	21 4	23 14½	26 9
2¼	2 13	5 10	8 7	11 4	14 1	16 14	19 11	22 8	25 5	28 2
2⅜	2 15½	5 15	8 14½	11 14	14 13½	17 13	20 12½	23 12	26 11½	29 11
2½	3 2	6 4	9 6	12 8	15 10	18 12	21 14	25 0	28 2	31 4
2⅝	3 4½	6 9	9 13½	13 2	16 6½	19 11	22 15½	26 4	29 8½	32 13
2¾	3 7	6 14	10 5	13 12	17 3	20 10	24 1	27 8	30 15	34 6
2⅞	3 9½	7 3	10 12½	14 6	17 15½	21 9	25 2½	28 12	32 5½	35 15

3	3	12	7	8	11	4	15	0	18	12	22	8	26	4	30	0	33	12	37	8
3⅛	3	14½	7	13	11	11½	15	10	19	8½	23	7	27	5½	31	4	35	2½	39	1
3¼	4	1	8	2	12	3	16	4	20	5	24	6	28	7	32	8	36	9	40	10
3⅜	4	3½	8	7	12	10½	16	14	21	1½	25	5	29	8½	33	12	37	15½	42	3
3½	4	6	8	12	13	2	17	8	21	14	26	4	30	10	35	0	39	6	43	12
3⅝	4	8½	9	1	13	9½	18	2	22	10½	27	3	31	11½	36	4	40	12½	45	5
3¾	4	11	9	6	14	1	18	12	23	7	28	2	32	13	37	8	42	3	46	14
3⅞	4	13½	9	11	14	8½	19	6	24	3½	29	1	33	14½	38	12	43	9½	48	7
4	5	0	10	0	15	0	20	0	25	0	30	0	35	0	40	0	45	0	50	0
4⅛	5	2½	10	5	15	7½	20	10	25	12½	30	15	36	1½	41	4	46	6½	51	9
4¼	5	5	10	10	15	15	21	4	26	9	31	14	37	6	42	8	47	13	53	2
4⅜	5	7½	10	15	16	6½	21	14	27	5½	32	13	38	4½	43	12	49	3½	54	11
4½	5	10	11	4	16	14	22	8	28	2	33	12	39	6	45	0	50	10	56	4
4⅝	5	12½	11	9	17	5½	23	2	28	14½	34	11	40	7½	46	4	52	0½	57	13
4¾	5	15	11	14	17	13	23	12	29	11	35	10	41	9	47	8	53	7	59	6
4⅞	6	1½	12	3	18	4½	24	6	30	7½	36	9	42	10½	48	12	54	13½	60	15
5	6	4	12	8	18	12	25	0	31	4	37	8	43	12	50	0	56	4	62	8
5⅛	6	6½	12	13	19	3½	25	10	32	0½	38	7	44	13½	51	4	57	10½	64	1
5¼	6	9	13	2	19	11	26	4	32	13	39	6	45	15	52	8	59	1	65	10
5⅜	6	11½	13	7	20	2½	26	14	33	9½	40	5	47	0½	53	12	60	7½	67	3
5½	6	14	13	12	20	10	27	8	34	6	41	4	48	2	55	0	61	14	68	12
5⅝	7	0½	14	1	21	1½	28	2	35	2½	42	3	49	3½	56	4	63	4½	70	5
5¾	7	3	14	6	21	9	28	12	35	15	43	2	50	5	57	8	64	11	71	14
5⅞	7	5½	14	11	22	0½	29	6	36	11½	44	1	51	6½	58	12	66	1½	73	7
6	7	8	15	0	22	8	30	0	37	8	45	0	52	8	60	0	67	8	75	0

SECTION III.—TABLE 13.—Weight of Flat Rolled Iron, Half an Inch thick, advancing in Breadth from Three-quarters of an Inch up to Six Inches, and from One Foot up to Ten Feet in Length.

Width of iron.	1 foot.	2 feet.	3 feet.	4 feet.	5 feet.	6 feet.	7 feet.	8 feet.	9 feet.	10 feet.
inch	lb. oz	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz	lb. oz.
¾	1 4	2 8	3 12	5 0	6 4	7 8	8 12	10 0	11 4	12 8
⅞	1 7½	2 15	4 6½	5 14	7 5½	8 13	9 4½	10 12	13 3½	14 11
1	1 10½	3 5	5 0	6 10½	8 5	9 15½	11 10	13 4	14 15	16 9
1⅛	1 14	3 12	5 10	7 8	9 6	11 4	13 2	15 0	16 14	18 12
1¼	2 1½	4 2½	6 4	8 6	10 7	12 9	14 10	16 12	18 12	20 15
1⅜	2 4½	4 9	6 14	9 2	11 7	13 12	16 0	18 4	20 10	22 13
1½	2 8	5 0	7 8	10 0	12 8	15 0	17 8	20 0	22 8	25 0
1⅝	2 11½	5 6½	8 2	10 14	13 8	16 4	19 0½	21 12	24 6	27 1
1¾	2 15	5 13	8 12	11 12	14 9	17 8	20 9	23 8	26 4	29 3
1⅞	3 2	6 3½	9 6	12 8	15 10	18 12	21 14	24 0	28 2	31 4
2	3 5½	6 10½	10 0	13 5	16 10½	20 0	23 5	26 10	30 0	33 5
2⅛	3 9	7 1	10 10	14 4	17 11	21 4	24 15	28 8	31 14	35 6
2¼	3 12	7 7½	11 4	15 0	18 12	22 8	26 4	30 0	33 12	37 8
2⅜	3 15	7 15	11 14	15 12	19 11	23 12	27 10	31 10	35 10	39 9
2½	4 2½	8 5½	12 8	16 10½	20 13	25 0	29 2	33 4	37 7	41 10
2⅝	4 5½	8 12	13 2	17 6	21 13½	26 4	30 10	34 12	39 1	43 12
2¾	4 9	9 3	13 12	18 4	22 15	27 8	32 0	36 8	41 1	45 14
2⅞	4 12½	9 9	14 6	19 2	24 0	28 12	33 8	38 4	43 0	48 0

3	6	4	12	8	18	12	25	0	31	4	37	8	43	12	50	0	56	4	62	8
3⅛	6	8	13	0	19	8	26	0	32	8	39	0	45	8	52	0	58	8	65	0
3¼	6	12	13	8	20	4	27	0	33	12	40	8	47	4	54	0	60	12	67	12
3⅜	7	0	14	0	21	0	28	0	35	0	42	0	49	0	56	0	63	0	70	0
3½	7	4	14	8	21	12	29	0	36	4	43	8	50	12	58	0	65	4	72	8
3⅝	7	8	15	0	22	8	30	0	37	8	45	0	52	8	60	0	67	8	75	0
3¾	7	12½	15	9	23	5½	31	2	38	14	46	11	54	7½	62	4	70	0½	77	13
3⅞	8	1	16	2	24	3	32	4	40	5	48	6	56	7	64	8	72	9	80	10
4	8	5½	16	11	25	0½	33	6	41	11½	50	1	58	6½	66	12	75	1½	83	7
4⅛	8	9½	17	3	25	12½	34	6	42	15½	51	9	60	2½	68	12	77	5½	85	15½
4¼	8	13½	17	11	26	8½	35	8	44	3½	53	1½	61	14½	70	12	79	9½	88	7
4⅜	9	2	18	4	27	6	36	8	45	10	54	12	63	14	73	0	82	2	91	4
4½	9	6	18	12	28	2	37	8	46	14	56	4	65	10	75	0	84	6	93	12
4⅝	9	10	19	4	28	14	38	8	48	2	57	12	67	6	77	0	86	10	96	4
4¾	9	14	19	12	29	10	39	8	49	6	59	4	69	2	79	0	88	14	98	12
4⅞	10	2	20	4	30	6	40	8	50	10	60	12	70	14	81	0	91	2	101	4
5	10	6½	20	13	31	3½	41	10	52	0½	62	7	72	13	83	4	93	10½	104	1
5⅛	10	10½	21	5	31	15½	42	10	53	4½	63	15	74	9½	85	4	95	14½	106	9
5¼	10	14½	21	13	32	11½	43	10	54	8½	65	7	76	5½	87	4	98	2½	109	1
5⅜	11	2½	22	5	33	7½	44	10	55	12½	66	15	78	1½	89	4	100	6½	111	9
5½	11	6½	22	13	34	3½	45	10	57	0½	68	7	79	13½	91	4	102	10½	114	1
5⅝	11	11	23	6	35	1	46	12	58	7	70	2	81	13	93	8	105	3	116	14
5¾	11	15	23	14	35	13	47	12	59	11	71	10	83	9	95	8	107	7	119	6
5⅞	12	3½	24	7	36	10½	48	14	61	1½	73	5	85	8½	97	12	109	15½	122	3
6	12	8	25	0	37	8	50	0	62	8	75	0	87	8	100	0	112	8	125	0

SECTION III.—TABLE 15.—Weight of Flat Rolled Iron, Three-quarters of an Inch thick, advancing in Breadth from Three-quarters of an Inch up to Six Inches, and from One Foot up to Ten Feet in Length.

Width of Iron.	1 foot.	2 feet.	3 feet.	4 feet.	5 feet.	6 feet.	7 feet.	8 feet.	9 feet.	10 feet.
In.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.
¾	1 14	3 12	5 10	7 8	9 6	11 4	13 2	15 0	16 14	18 12
⅞	2 3	4 6	6 9	8 12	10 15	13 2	15 5	18 8	19 11	21 14
1	2 8	5 0	7 8	10 0	12 8	15 0	17 8	20 0	22 8	25 0
1⅛	2 13	5 10	8 7	11 4	14 1	16 14	19 11	22 8	25 5	28 2
1¼	3 2	6 4	9 6	12 8	15 10	18 12	21 14	25 0	28 2	31 4
1⅜	3 7	6 14	10 5	13 12	17 3	20 10	24 1	27 8	30 15	34 6
1½	3 12	7 8	11 4	15 0	18 12	22 8	26 4	30 0	33 12	37 8
1⅝	4 1	8 2	12 3	16 4	20 5	24 6	28 7	32 8	36 9	40 10
1¾	4 6	8 12	13 2	17 8	21 14	26 4	30 10	35 0	39 6	43 12
1⅞	4 11	9 6	14 1	18 12	23 7	28 2	32 13	37 8	42 3	46 14
2	5 0	10 0	15 0	20 0	25 0	30 0	35 0	40 0	45 0	50 0
2⅛	5 5	10 10	15 15	21 4	26 9	31 14	37 3	42 8	47 13	53 2
2¼	5 10	11 4	16 14	22 8	28 2	33 12	39 6	45 0	50 10	56 4
2⅜	5 15	11 14	17 13	23 12	29 11	35 10	41 9	47 8	53 7	59 6
2½	6 4	12 8	18 12	25 0	31 4	37 8	43 12	50 0	56 4	62 8
2⅝	6 9	13 2	19 11	26 4	32 13	39 6	45 15	52 8	59 1	65 10
2¾	6 14	13 12	20 10	27 8	34 6	41 4	48 2	55 0	61 14	68 12
2⅞	7 3	14 6	21 9	28 12	35 15	43 2	50 5	57 8	64 11	71 14

3	7	8	15	0	22	8	30	0	37	8	45	0	52	8	60	0	67	8	75	0
3⅛	7	13	15	10	23	7	31	4	38	1	46	14	54	11	62	8	70	5	78	2
3¼	8	2	16	4	24	6	32	8	40	10	48	12	56	14	65	0	73	2	81	4
3⅜	8	7	16	14	25	5	33	12	42	3	50	10	59	1	67	8	75	15	84	6
3½	8	12	17	8	26	4	35	0	43	12	52	8	61	4	70	0	78	12	87	8
3⅝	9	1	18	2	27	3	36	4	45	5	54	6	63	7	72	8	81	8	90	10
3¾	9	6	18	12	28	2	37	8	46	14	56	4	65	10	75	0	84	6	93	12
3⅞	9	11	19	6	29	1	38	12	48	7	58	2	67	13	77	8	87	3	96	14
4	10	0	20	0	30	0	40	0	50	0	60	0	70	0	80	0	90	0	100	0
4⅛	10	5	20	10	30	15	41	4	51	9	61	14	72	3	82	8	92	13	103	2
4¼	10	10	21	4	31	14	42	8	53	2	63	12	74	6	85	0	95	10	106	4
4⅜	10	15	21	14	32	13	43	12	54	11	65	10	76	9	87	8	98	7	109	6
4½	11	4	22	8	33	12	45	0	56	4	67	8	78	12	90	0	101	4	112	8
4⅝	11	9	23	2	34	11	46	4	57	13	69	6	80	15	92	8	104	1	115	10
4¾	11	14	23	12	35	10	47	8	59	6	71	4	83	2	95	0	106	14	118	12
4⅞	12	3	24	6	36	9	48	12	60	15	73	2	85	5	97	8	109	11	121	14
5	12	8	25	0	37	8	50	0	62	8	75	0	87	8	100	0	112	8	125	0
5⅛	12	13	25	10	38	7	51	4	64	1	76	14	89	11	102	8	115	5	128	2
5¼	13	2	26	4	39	6	52	8	65	10	78	12	91	14	105	0	118	2	131	4
5⅜	13	7	26	14	40	5	53	12	67	3	80	10	94	1	107	8	120	15	134	6
5½	13	12	27	8	41	4	55	0	68	12	82	8	96	4	110	0	123	12	137	8
5⅝	14	1	28	2	42	3	56	4	70	5	84	6	98	7	112	8	126	9	140	10
5¾	14	6	28	12	43	2	57	8	71	14	86	4	100	10	115	0	129	6	143	12
5⅞	14	11	29	6	44	1	58	13	73	7	88	2	102	13	117	8	132	3	146	14
6	15	0	30	0	45	0	60	0	75	0	90	0	105	0	120	0	135	0	150	0

SECTION III.—TABLE 16.—Weight of Flat Rolled Iron, Seven-eighths of an Inch thick, advancing in Breadth from Three-quarters of an Inch up to Six Inches, and from One Foot up to Ten Feet in Length.

Width of iron.	1 foot.	2 feet.	3 feet.	4 feet.	5 feet.	6 feet.	7 feet.	8 feet.	9 feet.	10 feet.
Inch	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.
¾	2 3	4 6	6 9	8 12	10 15	13 2	15 5	18 8	19 11	21 14
⅞	2 9	5 2	7 11	10 4	12 13	14 6	17 15	20 8	23 1	25 10
1	2 14½	5 13	8 11	11 10	14 8½	17 7	20 5½	23 4	26 2½	29 1
1⅛	3 4½	6 9	9 13	13 2	16 6¾	19 11	22 15½	26 4	29 8¼	32 13
1¼	3 10½	7 5	10 15½	14 10	18 4⅜	21 15	25 9¾	29 4	32 14¼	36 9
1⅜	4 0	8 0	12 0	16 0	20 0	24 0	28 0	32 0	36 0	40 0
1½	4 6	8 12	13 2	17 8	21 14	26 4	30 10	35 0	39 6	43 12
1⅝	4 12	9 8	14 4	19 0	23 12	28 8	33 4	38 0	42 12	47 8
1¾	5 2	10 4	15 6	20 8	25 10	30 12	35 14	41 0	46 2	51 4
1⅞	5 8	11 0	16 8	22 0	27 8	33 0	35 8	44 0	49 8	55 0
2	5 13	11 10	17 7	23 4	29 4	34 14	40 11	46 8	52 5	58 2
2¼	6 3	12 6	18 9	24 12	30 15	37 2	43 5	49 8	55 11	61 14
2½	6 9	13 2	19 11	26 4	32 13	39 6	45 15	52 8	59 1	65 10
2⅝	6 15	13 14	20 13	27 12	34 11	41 10	48 6	55 8	62 7	69 6
2¾	7 5	14 10	21 15	29 4	36 9	43 14	51 3	58 8	65 13	73 2
2⅞	7 10	15 4	22 14	30 8	38 2	45 12	53 6	61 0	68 10	76 4
3	8 0	16 0	24 0	32 0	40 0	48 0	56 0	64 0	72 0	80 0
3⅛	8 6	16 12	25 2	33 8	41 14	50 4	58 10	67 0	75 6	83 12

3	8	12	17	8	26	4	35	0	43	12	52	8	61	4	70	0	78	12	87	8
3¼	9	1	18	2	27	3	36	4	45	5	54	6	63	7	72	8	81	9	90	10
3½	9	7	18	14	28	5	37	12	47	3	56	10	66	1	75	8	84	15	94	6
3¾	9	13	19	10	29	7	39	4	49	1	58	14	68	11	78	8	88	5	98	2
3¼	10	3	20	6	30	9	40	12	50	15	61	2	71	5	81	8	91	11	101	14
3⅝	10	9	21	2	31	11	42	4	52	13	63	6	73	13	84	8	95	1	105	10
3½	10	15	21	14	32	13	43	12	54	11	65	10	76	9	87	8	98	7	109	6
3⅞	11	5	22	10	33	15	45	4	56	9	67	14	79	3	90	8	101	13	113	2
4	11	11	23	6	35	1	46	12	58	7	70	2	81	13	93	8	105	3	116	14
4¼	12	0	24	0	36	0	48	0	60	0	72	0	84	0	96	0	108	0	120	0
4½	12	6	24	12	37	2	49	8	61	14	74	4	86	10	99	0	111	6	123	12
4¾	12	12	25	8	38	4	51	0	63	12	76	8	89	4	102	0	114	12	127	8
4½	13	2	26	4	39	6	52	8	65	10	78	12	91	14	105	0	118	2	131	4
4¼	13	8	27	0	40	8	53	0	67	8	81	0	94	8	108	0	121	8	135	0
4⅝	13	14	27	12	41	10	55	8	69	6	83	4	97	2	111	0	124	14	138	12
4⅞	14	4	28	8	42	12	57	0	71	4	85	8	99	12	114	0	128	4	142	8
5	14	10	29	4	43	14	58	8	73	2	87	12	102	6	117	0	131	10	146	4
5¼	15	0	30	0	45	0	60	0	75	0	90	0	105	0	120	0	135	0	150	0
5½	15	6	30	12	46	2	61	8	76	14	92	4	107	10	123	0	138	6	153	12
5¾	15	12	31	8	47	4	63	0	78	12	94	8	110	4	126	0	141	12	157	8
5¼	16	2	32	4	48	6	64	8	80	10	96	12	112	4	129	0	145	2	161	4
5⅝	16	8	33	0	49	8	66	0	82	8	99	0	115	8	132	0	148	8	165	0
5½	16	14	33	12	50	10	67	8	84	6	101	4	118	2	135	0	151	14	168	12
5⅞	17	4	34	8	51	12	69	0	86	4	103	8	120	12	138	0	154	4	172	8
6	17	10	35	4	52	14	70	8	88	2	105	10	122	6	141	0	158	10	176	4

SECTION III.—TABLE 17.—Weight of Flat Rolled Iron, One Inch thick, advancing in Breadth from Three-quarters of an Inch up to Six Inches, and One Foot up to Ten Feet in Length.

Width of iron.	1 foot.	2 feet.	3 feet.	4 feet.	5 feet.	6 feet.	7 feet.	8 feet.	9 feet.	10 feet.
In.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.
¾	2 8	5 0	7 8	10 0	12 8	15 0	17 8	20 0	22 8	25 0
⅞	2 14½	5 13	8 11½	11 10	14 8½	17 7	20 5½	23 4	26 2½	29 1
1	3 5	6 10	9 15	13 4	16 9	19 14	23 3	26 8	29 13	33 2
1⅛	3 12	7 8	11 4	15 0	18 12	22 8	26 4	30 0	33 12	37 8
1¼	4 3	8 6	12 9	16 12	20 15	25 2	29 5	33 8	37 11	41 14
1⅜	4 10	9 4	13 14	18 8	23 2	27 12	32 6	37 0	41 10	46 4
1½	5 0	10 0	15 0	20 0	25 0	30 0	35 0	40 8	45 0	50 0
1⅝	5 6	10 12	16 2	21 8	26 14	32 4	37 10	43 0	48 6	53 12
1¾	5 13	11 10	17 7	23 4	29 1	34 14	40 11	46 8	52 5	58 2
1⅞	6 4	12 8	18 12	25 0	31 4	37 8	43 12	50 0	56 4	62 8
2	6 11	13 6	20 1	26 12	33 7	40 2	46 13	53 8	60 3	66 14
2⅛	7 1	14 2	21 3	28 4	35 5	42 6	49 7	56 8	63 9	70 10
2¼	7 8	15 0	22 8	30 0	37 8	45 0	52 8	60 0	67 8	75 0
2⅜	7 14	15 12	23 10	31 8	39 6	47 4	55 2	63 0	70 14	78 12
2½	8 5	16 10	24 15	33 4	41 9	49 14	58 8	66 8	74 13	83 2
2⅝	8 11	17 6	25 1	34 12	43 7	52 2	60 13	69 8	78 3	86 14
2¾	9 3	18 6	27 9	36 12	45 15	55 2	64 5	73 8	82 11	91 14
2⅞	9 9	19 2	28 11	38 4	47 13	57 6	66 13	76 8	86 1	95 10

3	10	0	20	0	30	0	40	0	50	0	60	0	70	0	80	0	90	0	100	0
3⅛	10	6	20	12	31	2	41	8	51	14	62	4	72	10	83	0	93	6	103	12
3¼	10	13	21	10	32	7	43	4	54	1	64	14	75	11	86	8	97	5	108	2
3⅜	11	4	22	8	33	12	45	0	56	4	67	8	78	12	90	0	101	4	112	8
3½	11	10	23	4	34	14	46	8	58	2	69	12	81	6	93	0	104	10	116	4
3⅝	12	1	24	2	36	3	48	4	60	5	72	6	84	7	96	8	108	9	120	10
3¾	12	8	25	0	37	8	50	0	62	8	75	0	87	8	100	0	112	8	125	0
3⅞	12	14	25	12	38	10	51	8	64	6	77	4	90	2	103	0	115	14	128	12
4	13	5	26	10	39	15	53	4	66	9	79	14	93	3	106	8	119	13	133	2
4⅛	13	11	27	6	41	1	54	12	68	7	82	2	95	13	109	8	123	3	136	14
4¼	14	2	28	4	42	6	56	8	70	10	84	12	98	14	113	0	127	2	141	4
4⅜	14	9	29	2	43	11	58	4	72	13	87	6	101	14	116	8	131	1	145	10
4½	15	0	30	0	45	0	60	0	75	0	90	0	105	0	120	0	135	0	150	0
4⅝	15	6	30	12	46	2	61	8	76	14	92	4	107	10	123	0	138	6	153	12
4¾	15	13	31	10	47	7	63	4	79	1	94	14	110	11	126	8	142	5	158	2
4⅞	16	4	32	8	48	12	65	0	81	4	97	8	113	12	130	0	146	4	162	8
5	16	11	33	6	50	1	66	12	83	7	100	2	116	13	133	8	150	3	166	14
5⅛	17	1	34	2	51	3	68	4	85	5	102	6	119	7	136	8	153	9	170	10
5¼	17	7	34	14	52	5	69	12	87	3	104	10	122	1	139	8	156	13	174	6
5⅜	17	14	35	12	53	10	71	8	89	6	107	4	125	2	143	0	160	14	178	12
5½	18	5	36	10	54	15	73	4	91	9	109	14	128	3	146	8	164	13	183	2
5⅝	18	12	37	8	56	4	75	0	93	12	112	8	130	4	150	0	168	12	187	8
5¾	19	2	38	4	57	6	76	8	95	10	114	12	133	14	153	0	172	2	191	4
5⅞	19	9	39	2	58	11	78	4	97	13	117	6	136	13	156	8	176	1	195	10
6	20	0	40	0	60	0	80	0	100	0	120	0	140	0	160	0	180	0	200	0

SECTION III.—TABLE 18.

WEIGHT OF TWELVE INCHES IN LENGTH OF ROUND HAMMERED IRON,

From One Inch up to Thirty-six Inches in Diameter.

Size	Weight.			Size	Weight.			Size	Weight.			Size	Weight.		
inch	c.	qr.	lb. oz.	inch	c.	qr.	lb. oz.	inch	c.	qr.	lb. oz.	inch	c.	qr.	lb. oz.
1		2	10½	5⅛		2	27 8	10¼	2	1	25 6	14⅞	5	0	24 0
1⅛		3	5½	5¼		3	3 4½	10⅜	2	2	4 3	15	5	1	6 0
1¼		4	2	5⅜		3	7 2	10½	2	2	11 1	15⅛	5	1	16 0
1⅜		5	0	6		3	11 0½	10⅝	2	2	18 1	15¼	5	1	26 0
1½		5	15	6⅛		3	15 0½	10¾	2	2	25 2	15⅜	5	2	8 1
1⅝		7	0	6¼		3	19 2	10⅞	2	3	4 4	15½	5	2	18 4
1¾		8	1½	6⅜		3	23 4½	11	2	3	11 8	15⅝	5	3	0 8
1⅞		9	4½	6½		3	27 8	11⅛	2	3	18 12	15¾	5	3	10 14
2		10	9	6⅝	1	0	3 14	11¼	2	3	26 2	15⅞	5	3	20 6
2⅛		11	15	6¾	1	0	8 4	11⅜	3	0	5 9	16	6	0	4 0
2¼		13	6	6⅞	1	0	12 12	11½	3	0	13 2	16⅛	6	0	14 8
2⅜		14	14	7	1	0	17 5½	11⅝	3	0	20 12	16¼	6	0	25 0
2½		16	8	7⅛	1	0	22 0	11¾	3	1	0 8	16⅜	6	1	7 14
2⅝		18	3	7¼	1	0	26 12	11⅞	3	1	8 5	16½	6	1	18 12
2¾		19	15½	7⅜	1	1	3 9½	12	3	1	16 2	16⅝	6	2	1 11
2⅞		21	13	7½	1	1	8 8	12⅛	3	1	24 0	16¾	6	2	12 12
3		23	12	7⅝	1	1	13 8	12¼	3	2	4 3	16⅞	6	2	23 14
3⅛		25	12½	7¾	1	1	18 9	12⅜	3	2	12 0	17	6	3	7 0
3¼		27	14	7⅞	1	1	23 11½	12½	3	2	20 8	17⅛	6	3	18 4
3⅜	1	2	1	8	1	2	1 0	12⅝	3	3	0 14	17¼	7	0	1 8
3½	1	4	5½	8⅛	1	2	6 4	12¾	3	3	9 2	17⅜	7	0	13 0
3⅝	1	6	11	8¼	1	2	11 11	12⅞	3	3	17 10	17½	7	0	24 8
3¾	1	9	2	8⅜	1	2	17 3	13	3	3	26 3	17⅝	7	1	8 2
3⅞	1	11	10	8½	1	2	22 12	13⅛	4	0	6 13	17¾	7	1	19 12
4	1	14	8	8⅝	1	3	0 6	13¼	4	0	15 8	17⅞	7	2	3 8
4⅛	1	16	15	8¾	1	3	6 2	13⅜	4	0	24 8	18	7	2	15 6
4¼	1	19	10	8⅞	1	3	11 15	13½	4	1	5 2	18⅛	7	2	27 4
4⅜	1	22	8½	9	1	3	17 13	13⅝	4	1	14 2	18¼	7	3	11 4
4½	1	25	7½	9⅛	1	3	23 13	13¾	4	1	23 2	18⅜	7	3	23 5
4⅝	2	0	7½	9¼	2	0	1 14	13⅞	4	2	4 8	18½	8	0	7 8
4¾	2	3	9	9⅜	2	0	8 0	14	4	2	13 8	18⅝	8	0	19 12
4⅞	2	6	12	9½	2	0	14 4	14⅛	4	2	22 12	18¾	8	1	4 2
5	2	10	0	9⅝	2	0	20 9	14¼	4	3	4 2	18⅞	8	1	16 8
5⅛	2	13	5½	9¾	2	0	27 0	14⅜	4	3	13 8	19	8	2	1 0
5¼	2	16	12	9⅞	2	1	5 7	14½	4	3	23 1	19⅛	8	2	13 10
5⅜	2	20	4	10	2	1	12 0	14⅝	5	0	4 10	19¼	8	2	26 4
5½	2	23	13½	10⅛	2	1	18 10	14¾	5	0	14 6	19⅜	8	3	11 0

Size.	Weight.				Size.	Weight.				Size.	Weight.			
In.	c.	qr.	lb.	oz.	in.	c.	qr.	lb.	oz.	in.	c.	qr.	lb.	oz.
19⅛	8	3	23	13	25⅛	14	3	15	8	30⅛	22	0	12	0
19¼	9	0	8	12	25¼	15	0	2	9	30¼	22	1	5	4
19⅜	9	0	21	8	25⅜	15	0	19	14	30⅜	22	1	24	10
19½	9	1	6	13	25½	15	1	8	11	31	22	2	17	0
20	9	1	20	0	25⅝	15	1	23	8	31⅛	22	3	9	8
20⅛	9	2	5	4	25¾	15	2	14	15	31¼	23	0	1	2
20¼	9	2	18	8	25⅞	15	3	3	8	31⅜	23	0	22	12
20⅜	9	3	5	0	26	15	3	20	10	31½	23	1	15	8
20½	9	3	17	7	26⅛	16	0	9	14	31⅝	23	2	8	6
20⅝	10	0	3	0	26¼	16	0	27	2	31¾	23	3	1	4
20¾	10	0	16	11	26⅜	16	1	16	5	31⅞	23	3	22	4
20⅞	10	1	2	7	26½	16	2	6	0	32	24	0	15	6
21	10	1	16	4	26⅝	16	2	22	7	32⅛	24	1	8	8
21⅛	10	2	1	0	26¾	16	3	13	1	32¼	24	2	1	12
21¼	10	2	16	2	26⅞	17	0	2	12	32⅜	24	2	23	1
21⅜	10	3	2	3	27	17	0	20	11	32½	24	3	16	8
21½	10	3	16	6	27⅛	17	1	10	7	32⅝	25	0	10	0
21⅝	11	0	2	9	27¼	17	2	0	6	32¾	25	1	3	8
21¾	11	0	16	4	27⅜	17	2	18	6	32⅞	25	1	25	4
21⅞	11	1	3	4	27½	17	3	8	8	33	25	2	19	0
22	11	1	17	12	27⅝	17	3	26	11	33⅛	25	3	12	12
22⅛	11	2	4	5	27¾	18	0	17	0	33¼	26	0	6	11
22¼	11	2	19	0	27⅞	18	1	6	5	33⅜	26	1	0	11
22⅜	11	3	5	11	28	18	1	25	12	33½	26	1	22	12
22½	11	3	20	8	28⅛	18	2	16	4	33⅝	26	2	16	14
22⅝	12	0	7	6	28¼	18	3	6	14	33¾	26	3	11	2
22¾	12	0	22	6	28⅜	18	3	25	8	33⅞	27	0	5	7
22⅞	12	1	9	7	28½	19	0	16	5	34	27	0	27	13
23	12	1	22	8	28⅝	19	1	7	3	34⅛	27	1	23	5
23⅛	12	2	11	12	28¾	19	1	26	2	34¼	27	2	16	14
23¼	12	2	27	1	28⅞	19	2	17	2	34⅜	27	3	11	8
23⅜	12	3	14	7	29	19	3	9	0	34½	28	0	6	5
23½	13	0	2	0	29⅛	19	3	27	7	34⅝	28	1	1	2
23⅝	13	0	17	5	29¼	20	0	18	11	34¾	28	1	24	0
23¾	13	1	5	2	29⅜	20	1	10	0	34⅞	28	2	19	0
23⅞	13	1	20	13	29½	20	2	1	7	35	28	3	14	0
24	13	2	8	10	29⅝	20	2	21	0	35⅛	29	0	9	2
24⅛	13	2	24	8	29¾	20	3	12	9	35¼	29	1	4	6
24¼	13	3	12	7	29⅞	21	0	4	5	35⅜	29	1	27	11
24⅜	14	0	0	8	30	21	0	24	0	35½	29	2	23	0
24½	14	0	16	11	30⅛	21	1	15	14	35⅝	29	3	18	8
24⅝	14	1	4	14	30¼	21	2	7	12	35¾	30	0	14	2
24¾	14	1	21	3	30⅜	21	2	27	12	35⅞	30	1	9	12
24⅞	14	2	9	8	30½	21	3	19	4	36	30	2	5	7
25	14	2	26	0										

SECTION III.—TABLE 19.

WEIGHT OF ONE INCH IN LENGTH OF ROUND HAMMERED IRON;

Or, the Weight of Circular Plates, One Inch in Thickness; with Rules for finding any other Dimensions not given in Table. See note.

Size	Weight.	Size	Weight.	Size	Weight.	Size	Weight.
In.	c. qr. lb. oz.	in.	c. qr. lb. oz.	in.	c. qr. lb. oz.	inch	c. qr. lb. oz.
1	0 3 $\frac{1}{4}$	5 $\frac{1}{8}$	6 15 $\frac{1}{3}$	10 $\frac{1}{4}$	28 1 $\frac{1}{8}$	14 $\frac{7}{8}$	1 20 11 $\frac{1}{4}$
1 $\frac{1}{8}$	0 4 $\frac{1}{4}$	5 $\frac{2}{8}$	7 4 $\frac{2}{3}$	10 $\frac{2}{8}$	23 10 $\frac{1}{4}$	15	1 21 8
1 $\frac{1}{4}$	0 5 $\frac{1}{4}$	5 $\frac{3}{8}$	7 9 $\frac{1}{4}$	10 $\frac{3}{8}$	24 4 $\frac{1}{16}$	15 $\frac{1}{8}$	1 22 5 $\frac{1}{2}$
1 $\frac{3}{8}$	0 6 $\frac{3}{4}$	6	7 14 $\frac{2}{3}$	10 $\frac{4}{8}$	24 13 $\frac{3}{16}$	15 $\frac{1}{4}$	1 23 3 $\frac{3}{16}$
1 $\frac{1}{2}$	0 7 $\frac{3}{8}$	6 $\frac{1}{8}$	8 4	10 $\frac{5}{8}$	25 6 $\frac{1}{8}$	15 $\frac{3}{8}$	1 24 0
1 $\frac{5}{8}$	0 8 $\frac{1}{4}$	6 $\frac{1}{4}$	8 9 $\frac{1}{3}$	10 $\frac{6}{8}$	26 0 $\frac{1}{2}$	15 $\frac{1}{4}$	1 24 13 $\frac{3}{4}$
1 $\frac{3}{4}$	0 10 $\frac{3}{8}$	6 $\frac{3}{8}$	8 15	11	26 10	15 $\frac{3}{8}$	1 25 11 $\frac{1}{2}$
1 $\frac{7}{8}$	0 12 $\frac{1}{4}$	6 $\frac{1}{2}$	9 4	11 $\frac{1}{8}$	27 3 $\frac{3}{8}$	15 $\frac{1}{2}$	1 26 9 $\frac{1}{4}$
2	0 14 $\frac{1}{16}$	6 $\frac{5}{8}$	9 10 $\frac{1}{2}$	11 $\frac{1}{4}$	27 13 $\frac{1}{4}$	15 $\frac{5}{8}$	1 27 5 $\frac{1}{16}$
2 $\frac{1}{8}$	1 0	6 $\frac{3}{4}$	10 0 $\frac{1}{3}$	11 $\frac{3}{8}$	1 0 7 $\frac{3}{16}$	16	2 0 5 $\frac{1}{4}$
2 $\frac{1}{4}$	1 2 $\frac{1}{8}$	6 $\frac{7}{8}$	10 6 $\frac{1}{8}$	11 $\frac{1}{2}$	1 1 1 $\frac{1}{2}$	16 $\frac{1}{8}$	2 1 2 $\frac{3}{8}$
2 $\frac{3}{8}$	1 3 $\frac{1}{16}$	7	10 12 $\frac{3}{16}$	11 $\frac{5}{8}$	1 1 11 $\frac{3}{8}$	16 $\frac{1}{4}$	2 2 1 $\frac{1}{2}$
2 $\frac{1}{2}$	1 6	7 $\frac{1}{8}$	11 2 $\frac{2}{3}$	11 $\frac{3}{4}$	1 2 6	16 $\frac{3}{8}$	2 2 15 $\frac{1}{16}$
2 $\frac{5}{8}$	1 8 $\frac{1}{4}$	7 $\frac{1}{4}$	11 9	11 $\frac{7}{8}$	1 3 0 $\frac{3}{16}$	16 $\frac{1}{2}$	2 3 14 $\frac{1}{3}$
2 $\frac{3}{4}$	1 10 $\frac{1}{8}$	7 $\frac{3}{8}$	11 15 $\frac{3}{16}$	12	1 3 10 $\frac{1}{16}$	16 $\frac{5}{8}$	2 4 12 $\frac{1}{16}$
2 $\frac{7}{8}$	1 13 $\frac{1}{16}$	7 $\frac{1}{2}$	12 6	12 $\frac{1}{8}$	1 4 5 $\frac{1}{2}$	16 $\frac{3}{4}$	2 5 11 $\frac{2}{3}$
3	1 15 $\frac{3}{8}$	7 $\frac{5}{8}$	12 12 $\frac{2}{3}$	12 $\frac{1}{4}$	1 5 0 $\frac{1}{4}$	16 $\frac{7}{8}$	2 6 10 $\frac{1}{4}$
3 $\frac{1}{8}$	2 2 $\frac{1}{8}$	7 $\frac{3}{4}$	13 3 $\frac{1}{3}$	12 $\frac{3}{8}$	1 5 10 $\frac{3}{8}$	17	2 7 9 $\frac{1}{3}$
3 $\frac{1}{4}$	2 5 $\frac{1}{4}$	7 $\frac{7}{8}$	13 10 $\frac{1}{4}$	12 $\frac{1}{2}$	1 6 6	17 $\frac{1}{8}$	2 8 8 $\frac{1}{2}$
3 $\frac{3}{8}$	2 8 $\frac{1}{16}$	8	14 1 $\frac{1}{3}$	12 $\frac{5}{8}$	1 7 0	17 $\frac{1}{4}$	2 9 7 $\frac{2}{3}$
3 $\frac{1}{2}$	2 11 $\frac{1}{16}$	8 $\frac{1}{8}$	14 8 $\frac{1}{3}$	12 $\frac{3}{4}$	1 7 12 $\frac{1}{2}$	17 $\frac{3}{8}$	2 10 6 $\frac{2}{3}$
3 $\frac{5}{8}$	2 14 $\frac{1}{8}$	8 $\frac{1}{4}$	14 14 $\frac{2}{3}$	12 $\frac{7}{8}$	1 8 6 $\frac{1}{8}$	17 $\frac{1}{2}$	2 11 6
3 $\frac{3}{4}$	3 1 $\frac{1}{8}$	8 $\frac{3}{8}$	15 6 $\frac{2}{3}$	13	1 9 2 $\frac{1}{16}$	17 $\frac{5}{8}$	2 12 5 $\frac{1}{4}$
3 $\frac{7}{8}$	3 4 $\frac{1}{8}$	8 $\frac{1}{2}$	15 14 $\frac{1}{3}$	13 $\frac{1}{8}$	1 9 14 $\frac{3}{16}$	17 $\frac{3}{4}$	2 13 5
4	3 8 $\frac{1}{8}$	8 $\frac{5}{8}$	16 5 $\frac{1}{16}$	13 $\frac{1}{4}$	1 10 10	17 $\frac{7}{8}$	2 14 4 $\frac{2}{3}$
4 $\frac{1}{8}$	3 12	8 $\frac{3}{4}$	16 13 $\frac{1}{3}$	13 $\frac{3}{8}$	1 11 6	18	2 15 4 $\frac{1}{4}$
4 $\frac{1}{4}$	3 15 $\frac{1}{4}$	8 $\frac{7}{8}$	17 3 $\frac{1}{16}$	13 $\frac{1}{2}$	1 12 0 $\frac{1}{4}$	18 $\frac{1}{8}$	2 16 4 $\frac{2}{3}$
4 $\frac{3}{8}$	4 3 $\frac{1}{8}$	9	17 13 $\frac{1}{16}$	13 $\frac{5}{8}$	1 12 13 $\frac{1}{8}$	18 $\frac{1}{4}$	2 17 4 $\frac{1}{3}$
4 $\frac{1}{2}$	4 7 $\frac{1}{4}$	9 $\frac{1}{8}$	18 5 $\frac{1}{16}$	13 $\frac{3}{4}$	1 13 9 $\frac{1}{4}$	18 $\frac{3}{8}$	2 18 4 $\frac{1}{16}$
4 $\frac{5}{8}$	4 11 $\frac{1}{4}$	9 $\frac{1}{4}$	18 13 $\frac{1}{3}$	13 $\frac{7}{8}$	1 14 6	18 $\frac{1}{2}$	2 19 4 $\frac{2}{3}$
4 $\frac{3}{4}$	4 15 $\frac{1}{4}$	9 $\frac{3}{8}$	19 5 $\frac{1}{4}$	14	1 15 2	18 $\frac{5}{8}$	2 20 5
4 $\frac{7}{8}$	5 3 $\frac{3}{8}$	9 $\frac{1}{2}$	19 13 $\frac{2}{3}$	14 $\frac{1}{8}$	1 15 14	18 $\frac{3}{4}$	2 21 5 $\frac{1}{16}$
5	5 8	9 $\frac{5}{8}$	20 0 $\frac{1}{4}$	14 $\frac{1}{4}$	1 16 10 $\frac{1}{16}$	18 $\frac{7}{8}$	2 22 6
5 $\frac{1}{8}$	5 12 $\frac{1}{16}$	9 $\frac{3}{4}$	20 14 $\frac{2}{3}$	14 $\frac{3}{8}$	1 17 6 $\frac{1}{8}$	19	2 23 7 $\frac{1}{3}$
5 $\frac{1}{4}$	6 0 $\frac{1}{16}$	9 $\frac{7}{8}$	21 7 $\frac{1}{4}$	14 $\frac{1}{2}$	1 18 4 $\frac{1}{16}$	19 $\frac{1}{8}$	2 24 7 $\frac{1}{4}$
5 $\frac{3}{8}$	6 5 $\frac{3}{8}$	10	22 0	14 $\frac{5}{8}$	1 19 0 $\frac{1}{8}$	19 $\frac{1}{4}$	2 25 8 $\frac{1}{2}$
5 $\frac{1}{2}$	6 10 $\frac{1}{16}$	10 $\frac{1}{8}$	22 8 $\frac{1}{16}$	14 $\frac{3}{4}$	1 19 13 $\frac{1}{16}$	19 $\frac{3}{8}$	2 26 9 $\frac{1}{3}$

Size.	Weight.				Size.	Weight.				Size.	Weight.			
in.	c.	qr.	lb.	oz.	in.	c.	qr.	lb.	oz.	in.	c.	qr.	lb.	oz.
19 1/8		2	27	10 9/16	25 1/8	1	0	26	15 1/8	30 1/8	1	3	10	5 1/8
19 1/4		3	0	11 3/8	25 1/4	1	1	0	3 9/16	30 1/4	1	3	12	1 3/4
19 3/8		3	1	12 3/4	25 3/8	1	1	1	10 1/8	30 3/8	1	3	13	11 1/4
19 1/2		3	2	14 1/16	25 1/2	1	1	3	0 1/4	31	1	3	15	6 3/4
20		3	4	0	25 3/4	1	1	4	4 3/8	31 1/8	1	3	17	2
20 1/8		3	5	1 3/8	25 7/8	1	1	5	14 7/16	31 1/4	1	3	18	12
20 1/4		3	6	3 1/8	25 7/8	1	1	7	4 3/8	31 3/8	1	3	20	9
20 3/8		3	7	6 3/4	26	1	1	8	11 1/4	31 1/2	1	3	22	4 3/4
20 1/2		3	8	7 1/4	26 1/8	1	1	10	2 1/4	31 3/4	1	3	24	0 1/4
20 3/4		3	9	9 1/2	26 1/4	1	1	11	9 1/4	31 3/4	1	3	25	13 1/4
20 3/4		3	10	11 7/16	26 3/8	1	1	13	0 1/16	31 7/8	1	3	27	8 1/8
20 7/8		3	11	13 1/16	26 1/4	1	1	14	8	32	2	0	1	4 1/2
21		3	13	0 1/2	26 3/8	1	1	15	13 1/2	32 1/8	2	0	2	3 1/8
21 1/8		3	14	1 3/8	26 1/2	1	1	17	6 1/16	32 1/4	2	0	4	12 1/4
21 1/4		3	15	5 1/4	26 5/8	1	1	18	14 3/8	32 3/8	2	0	6	9 1/16
21 3/8		3	16	8 1/4	27	1	1	20	6 1/4	32 1/4	2	0	8	6
21 1/2		3	17	12 1/16	27 1/8	1	1	21	13 1/16	32 5/8	2	0	10	2 3/4
21 3/4		3	18	14 1/16	27 1/4	1	1	23	5 1/16	32 3/4	2	0	11	15 1/4
21 3/4		3	20	0 3/8	27 3/8	1	1	24	13 1/16	32 7/8	2	0	13	12 3/4
21 7/8		3	21	4 1/8	27 1/2	1	1	26	6	33	2	0	15	9 1/4
22		3	22	7 3/4	27 3/4	1	1	27	14 1/4	33 1/8	2	0	17	6 1/8
22 1/8		3	23	11 1/16	27 3/4	1	2	1	6 3/8	33 1/4	2	0	19	3 1/16
22 1/4		3	24	14 3/8	27 7/8	1	2	2	13 1/16	33 3/8	2	0	21	0 1/16
22 3/8		3	26	0 1/4	28	1	2	4	7 3/8	33 1/4	2	0	22	14 3/8
22 1/4		3	27	6	28 1/8	1	2	6	8 3/4	33 3/8	2	0	24	11 1/16
22 5/8	1	0	0	9 1/16	28 1/4	1	2	7	9 1/8	33 3/4	2	0	26	9 1/2
22 3/4	1	0	1	13 1/16	28 3/8	1	2	9	2	33 7/8	2	1	0	7 1/4
22 7/8	1	0	2	4 7/16	28 1/4	1	2	10	11 1/16	34	2	1	2	5 1/16
23	1	0	4	3 1/4	28 3/4	1	2	12	12 7/16	34 1/8	2	1	4	4 1/16
23 1/8	1	0	5	10 3/8	28 3/4	1	2	13	13 1/8	34 1/4	2	1	6	1 1/4
23 1/4	1	0	6	14 9/16	28 7/8	1	2	15	6 1/16	34 3/8	2	1	7	15 1/8
23 3/8	1	0	8	3 1/4	29	1	2	17	1 3/8	34 1/4	2	1	9	13 1/16
23 1/4	1	0	9	8	29 1/8	1	2	18	9 1/2	34 5/8	2	1	11	12 1/16
23 3/8	1	0	10	12 1/16	29 1/4	1	2	20	3 7/16	34 3/4	2	1	13	10 3/8
23 3/4	1	0	12	1 1/8	29 3/8	1	2	21	13 1/8	34 7/8	2	1	15	9 1/8
23 7/8	1	0	13	6 1/16	29 1/4	1	2	23	7 1/4	35	2	1	17	8
24	1	0	14	11 1/4	29 3/8	1	2	25	1 3/8	35 1/8	2	1	19	6 1/16
24 1/8	1	0	16	0 3/4	29 3/4	1	2	26	11 1/16	35 1/4	2	1	21	5 1/16
24 1/4	1	0	17	5 1/16	29 7/8	1	3	0	5 1/16	35 5/8	2	1	23	4 1/16
24 3/8	1	0	18	11 1/8	30	1	3	2	0	35 1/4	2	1	25	4
24 1/4	1	0	20	0 1/16	30 1/8	1	3	3	10 1/4	35 5/8	2	1	27	3 1/8
24 5/8	1	0	21	6 1/4	30 1/4	1	3	5	5	35 3/4	2	2	1	2 1/16
24 3/4	1	0	22	12 1/4	30 3/8	1	3	6	15 3/8	35 7/8	2	2	3	2 1/4
24 7/8	1	0	24	2	30 1/4	1	3	8	9 3/8	36	2	2	5	1 1/16
25	1	0	25	8										

Note.—To obtain the weight of circular plates of any given dimensions, divide any weight given in table, by eight, and that will give the weight of circular plates, $\frac{1}{8}$ of an inch in thickness.

Hence, the latter weight, multiplied by as many eighths as the plate is thick, gives the weight required.

Example.—Given to find the weight of a plate $\frac{3}{8}$" of an inch thick, by 30 inches diameter. (See table.)

1 cwt. 3 qr. 2 lb. ÷ by 8 = 24 lb. 12 oz.

Hence, 24 lb. 12 oz. multiply $\frac{3}{8}$ gives 2 qr. 18 lb. 4 oz. = the weight of a plate, the diameter of which is 30 inches.

Therefore, the half of this weight will give the weight of a plate $\frac{3}{16}$ of an inch in thickness, by 30 inches diameter.

Again.—The weight of a plate 30 inches diameter, by 1"$\frac{1}{4}$ inches thick.

Thus—24 lb. 12 oz. being the weight of a plate, by $\frac{1}{8}$ thick.

Hence, 24 lb. 12 oz. multiply $\frac{2}{8}$, or by 9, gives 1 cwt. 3 qr. 26 lb. 12 oz.—weight required.

Half the weight of $1\frac{1}{8}$ inch plate will give the weight of a plate $\frac{9}{16}$ inch thick.

Further, multiply any of the weights given in the table by 4, and this will give the weight of plates double the diameter, or same diameter, but double the thickness.

Case 2nd.—To obtain the weight of circular cast iron plates, take the weight given in table as dividends, use 14 as a divisor, subtract the quotient from the dividend, and the remainder will give the weight for cast iron.

Example.—The weight of a malleable iron plate, 36 inches diameter by 1 inch thick, is 2 cwt. 2 qr. 5 lb. $1\frac{1}{2}$ oz. What is the weight of a cast iron plate of similar dimensions?

Here, 2 cwt. 2 qr. 5 lb. $1\frac{1}{2}$ oz., reduced to ounces = 4562 ounces, or 285 pounds.

Divide this by 14 gives 325, which latter number, divided by 16 oz., brings 20 lb. Subtract the 20 lb. from 285 lb. leaves 265 lb., the weight of a circular cast iron plate, 36 inches diameter and 1 inch thick.

See table of specific gravities, where you will find one cubic foot of hammered iron = 484 lb.; and 1 cubic foot of cast iron = 450 lb. 10 oz.

Hence, 484 ÷ 14 = difference; viz., 34 pounds 6 ounces.

This last weight being deducted from 484 pounds, leaves 450 pounds 10 ounces weight, as above.

The number, 14, can be taken as a correct standard divisor of difference between all descriptions of hammered and cast iron, and also for rolled iron, as it only varies $5\frac{1}{2}$ ounces from the truth in a cubic foot.

These results establish the fact, that a piece of forged iron, weighing 112 pounds, is 8 pounds heavier than a piece of cast iron, of the same dimensions, or 1 pound for every 14 pounds difference.

SECTION III.—TABLE 20.

WEIGHT OF TWELVE INCHES IN LENGTH OF HAMMERED SQUARE IRON,

From One Inch up to Thirty-six.

Size	Weight.				Size	Weight.				Size	Weight.				Size	Weight.			
In.	c.	qr.	lb.	oz	in.	c.	qr.	lb.	oz	In.	c.	qr.	lb.	oz	in.	c.	qr.	lb.	oz
1		3	6		5⅛		3	22	7	10¼	3	0	17	3	14⅞	6	2	15	14
1⅛		4	4		5¼		3	27	3	10⅜	3	0	25	13	15	6	3	0	7
1¼		5	4		5⅜	1	0	4	1	10½	3	1	6	9	15⅛	6	3	13	2
1⅜		6	7		6	1	0	9	0	10⅝	3	1	15	8	15¼	6	3	25	14
1½		7	9		6⅛	1	0	14	2	10¾	3	1	24	8	15⅜	7	0	10	12
1⅝		8	14		6¼	1	0	19	5	10⅞	3	2	5	10	15½	7	0	23	12
1¾		10	4		6⅜	1	0	24	10	11	3	2	14	13	15⅝	7	1	8	13
1⅞		11	13		6½	1	1	2	1	11⅛	3	2	24	2	15¾	7	1	22	0
2		13	8		6⅝	1	1	7	9	11¼	3	3	5	12	15⅞	7	2	7	4
2⅛		15	3		6¾	1	1	13	3	11⅜	3	3	15	0	16	7	2	20	10
2¼		17	0		6⅞	1	1	18	14	11½	3	3	24	10	16⅛	7	3	6	3
2⅜		18	15		7	1	1	24	12	11⅝	4	0	6	5	16¼	7	3	19	12
2½		21	0		7⅛	1	2	2	11	11¾	4	0	16	3	16⅜	8	0	5	8
2⅝		23	3		7¼	1	2	8	12	11⅞	4	0	26	1	16½	8	0	19	5
2¾		25	7		7⅜	1	2	14	14	12	4	1	8	2	16⅝	8	1	5	4
2⅞		27	13		7½	1	2	21	2	12⅛	4	1	18	4	16¾	8	1	19	4
3	1	2	4		7⅝	1	2	27	7	12¼	4	2	0	8	16⅞	8	2	5	6
3⅛	1	4	13		7¾	1	3	5	15	12⅜	4	2	10	10	17	8	2	19	10
3¼	1	7	8		7⅞	1	3	12	8	12½	4	2	21	5	17⅛	8	3	6	0
3⅜	1	10	5		8	1	3	19	2	12⅝	4	3	3	14	17¼	8	3	20	8
3½	1	13	3		8⅛	1	3	25	15	12¾	4	3	14	8	17⅜	9	0	7	0
3⅝	1	16	3		8¼	2	0	4	13	12⅞	4	3	25	5	17½	9	0	21	10
3¾	1	19	4		8⅜	2	0	11	13	13	5	0	8	3	17⅝	9	1	8	8
3⅞	1	22	8		8½	2	0	18	14	13⅛	5	0	19	2	17¾	9	1	23	4
4	1	25	12		8⅝	2	0	26	2	13¼	5	1	2	4	17⅞	9	2	10	3
4⅛	2	1	3		8¾	2	1	5	7	13⅜	5	1	13	7	18	9	2	25	4
4¼	2	4	12		8⅞	2	1	12	13	13½	5	1	24	12	18⅛	9	3	12	7
4⅜	2	8	6		9	2	1	20	5	13⅝	5	2	8	2	18¼	9	3	27	12
4½	2	12	1		9⅛	2	2	0	0	13¾	5	2	19	10	18⅜	10	0	15	2
4⅝	2	15	15		9¼	2	2	7	11	13⅞	5	3	3	4	18½	10	1	2	10
4¾	2	19	14		9⅜	2	2	15	7	14	5	3	14	15	18⅝	10	1	18	4
4⅞	2	23	14		9½	2	2	23	7	14⅛	5	3	26	12	18¾	10	2	6	0
5	3	0	1		9⅝	2	3	3	7	14¼	6	0	10	11	18⅞	10	2	21	12
5⅛	3	4	5		9¾	2	3	11	8	14⅜	6	0	22	12	19	10	3	10	11
5¼	3	8	11		9⅞	2	3	19	14	14½	6	1	6	14	19⅛	10	3	25	11
5⅜	3	12	2		10	3	0	0	3	14⅝	6	1	19	2	19¼	11	0	13	13
5½	3	17	12		10⅛	3	0	8	10	14¾	6	2	3	7	19⅜	11	1	2	1

Size.	Weight.				Size.	Weight.				Size.	Weight.			
in.	c.	qr.	lb.	oz.	in.	c.	qr.	lb	oz.	In.	c.	qr.	lb.	oz.
19 1/8	11	1	18	6	251	18	3	22	5	31 1/8	28	0	17	3
19 1/8	11	2	7	8	25 1/4	19	0	15	5	307	28	1	15	0
19 3/4	11	2	23	6	25 3/8	19	1	8	12	30 5/8	28	2	12	12
19 7/8	11	3	12	1	25 1/2	19	2	2	1	31	28	3	10	14
20	12	0	0	13	25 5/8	19	2	23	10	31 3/8	29	0	9	0
20 1/8	12	0	17	10	25 3/4	19	3	17	3	31 1/2	29	1	7	0
20 1/4	12	1	6	10	25 7/8	20	0	11	5	31 5/8	29	2	5	8
20 3/8	12	1	23	11	26	20	1	4	12	31 1/4	29	3	3	15
20 1/2	12	2	12	14	26 1/8	20	1	25	4	31 3/4	30	0	2	7
20 5/8	12	3	2	2	26 1/4	20	2	20	8	31 7/8	30	1	1	2
20 3/4	12	3	19	9	26 3/8	20	3	14	12	32	30	1	27	13
20 7/8	13	0	9	0	26 1/2	21	0	9	0	32 1/8	30	2	26	11
21	13	0	26	10	26 3/8	21	1	3	0	32 1/8	30	3	25	10
21 1/8	13	1	16	5	26 5/8	21	1	25	12	32 1/4	31	0	24	11
21 1/4	13	2	6	2	26 7/8	21	2	20	4	32 3/8	31	1	23	13
21 3/8	13	2	24	2	27	21	3	14	14	32 1/2	31	2	23	2
21 1/2	13	3	14	2	27 1/8	22	0	9	10	32 1/8	31	3	22	7
21 3/8	14	0	4	1	27 1/4	22	1	4	8	32 3/4	32	0	21	15
21 3/4	14	0	22	7	27 1/8	22	1	27	7	32 7/8	32	1	21	8
21 7/8	14	1	12	12	27 1/2	22	2	22	8	33	32	2	21	3
22	14	2	3	4	27 5/8	22	3	17	11	33 1/8	32	3	21	1
22 1/8	14	2	21	7	27 3/4	23	0	12	5	33 1/4	33	0	21	15
22 1/4	14	3	12	6	27 7/8	23	1	8	5	33 3/8	33	1	20	14
22 3/8	15	0	3	7	28	23	2	3	13	33 1/2	33	2	21	0
22 1/2	15	0	22	0	28 1/8	23	2	27	6	33 3/8	33	3	21	3
22 5/8	15	1	13	9	285	23	3	22	2	33 3/4	34	0	21	8
22 3/4	15	2	4	1	28 3/8	24	0	18	13	33 1	34	1	21	15
22 7/8	15	2	23	4	28 1/4	24	1	14	12	34	34	2	22	7
23	15	3	14	8	28 3/8	24	2	10	12	34 1/8	34	3	23	2
23 1/8	16	0	5	14	28 1/2	24	3	6	15	34 1/4	35	0	24	13
23 1/4	16	0	25	6	28 7/8	25	0	3	2	34 3/8	35	1	24	11
23 3/8	16	1	17	0	29	25	0	27	7	34 1/2	35	2	25	10
23 1/2	16	2	8	9	29 1/8	25	1	23	14	34 3/8	35	3	26	11
23 7/8	16	3	0	7	29 1/4	25	2	20	7	34 3/4	36	1	0	8
23 3/4	16	3	20	6	29 3/8	25	3	17	0	34 7/8	36	2	1	13
23 7/8	17	0	12	6	29 1/2	26	0	13	12	35	36	3	2	7
24	17	1	4	8	290	26	1	10	10	35 1/8	37	0	3	10
24 1/8	17	1	24	12	29 3/4	26	2	7	9	35 1/4	37	1	4	8
24 1/4	17	2	17	1	29 7/8	26	3	4	10	35 3/8	37	2	7	3
24 3/8	17	3	9	8	30	27	0	1	13	35 1/2	37	3	9	0
24 1/2	18	0	2	1	30 1/8	27	0	27	2	35 3/8	38	0	10	14
24 3/8	18	0	22	11	30 1/4	27	1	24	7	35 3/4	38	1	12	13
24 3/4	18	1	15	7	30 3/8	27	2	21	15	353	38	2	15	0
24 7/8	18	2	8	0	30 1/2	27	3	19	8	36	38	3	17	2
25	18	3	1	4										

SECTION III.—TABLE 21.

WEIGHT OF TWELVE INCHES IN LENGTH OF FLAT HAMMERED IRON,

From Half an Inch to Three Inches thick, and from Six to Twelve Inches Broad, advancing by an Eighth of an Inch.

Broad.	Thick.	Weight.	Broad.	Thick.	Weight.	Broad.	Thick.	Weight.
In.	in	c. qr. lb. oz.	in.	in	c. qr. lb. oz.	in.	in	c. qr. lb. oz.
6	½	10 1½	10⅝	½	17 7	8⅛	⅜	18 2
6⅛		10 4¾	10¼		17 10⅛	8¼		18 6
6¼		10 8	10⅜		17 13½	8⅜		18 10¼
6⅜		10 11½	10½		18 1	9		18 14½
6½		10 15	10⅝		18 4½	9⅛		19 2¾
6⅝		11 2	11		18 8	9¼		19 6¾
6¾		11 5½	11⅛		18 11½	9⅜		19 11
6⅞		11 9	11¼		18 14½	9½		19 15½
7		11 12½	11⅜		19 1¾	9⅝		20 4
7⅛		11 15½	11½		19 5½	9¾		20 8
7¼		12 2¾	11⅝		19 9¾	9⅞		20 12
7⅜		12 6¼	11¾		19 12½	10		21 0
7½		12 9¾	11⅞		19 15½	10⅛		21 4
7⅝		12 13	12		20 2¾	10¼		21 8½
7¾		13 0	6	⅝	12 9¾	10⅜		21 12¼
7⅞		13 3½	6⅛		12 14	10½		22 1
8		13 7	6¼		13 2½	10⅝		22 5
8⅛		13 10¾	6⅜		13 5¾	10¾		22 9
8¼		13 13¾	6½		13 10½	10⅞		22 13½
8⅜		14 1	6⅝		13 14¾	11		23 1¾
8½		14 4½	6¾		14 3	11⅛		23 6
8⅝		14 8	6⅞		14 7½	11¼		23 10
8¾		14 11½	7		14 11½	11⅜		23 14
8⅞		14 14¾	7⅛		14 15½	11½		24 2½
9		15 2	7¼		15 3⅛	11⅝		24 7⅛
9⅛		15 5½	7⅜		15 7¾	11¾		24 11
9¼		15 8½	7½		15 12	11⅞		24 15½
9⅜		15 12	7⅝		16 0	12		25 3½
9½		15 15½	7¾		16 4⅛	6	¾	15 2
9⅝		16 3	7⅞		16 8¼	6⅛		15 7
9¾		16 6¼	8		16 13	6¼		15 12
9⅞		16 9½	8⅛		17 1	6⅜		16 1
10		16 13	8¼		17 5¼	6½		16 6
10⅛		17 0⅛	8⅜		17 9½	6⅝		16 11
10¼		17 3	8½		17 13¾	6¾		17 0

Broad.	Thick.	Weight.	Broad.	Thick.	Weight.	Broad.	Thick.	Weight.
In.	in	c. qr. lb. oz.	in.	in	c. qr. lb. oz.	in.	in	c. qr. lb. oz.
6	¼	17 5	6	¼	18 0	11	⅜	1 5 13
7		17 10	6	¼	18 6	11	⅜	1 6 3
7		17 15	6	⅜	18 12	11	⅜	4 6 9
7		18 4	6	⅜	19 2	11	⅜	1 6 15
7		18 9	6	⅜	19 8	12		1 7 5
7		18 14	6	⅜	19 14	6	½	20 3
7		19 3	6	⅜	20 4	6	½	20 9
7		19 8	7		20 9	6	½	21 0
7		19 13	7		20 15	6	½	21 7
8		20 2	7		21 5	6	½	21 13
8		20 7	7		21 11	6	½	22 4
8		20 12	7		22 1	6	½	22 11
8		21 1	7		22 7	6	½	23 2
8		21 6	7		22 13	7		23 8
8		21 11	7		23 3	7		23 15
8		22 0	8		23 8	7		24 5
8		22 5	8		23 14	7		24 12
9		22 11	8		24 4	7		25 3
9		23 0	8		24 10	7		25 10
9		23 5	8		25 0	7		26 0
9		23 10	8		25 6	7		26 7
9		23 15	8		25 12	8		26 14
9		24 4	8		26 2	8		27 4
9		24 9	9		26 7	8		27 11
9		24 14	9		26 13	8		1 0 2
10		25 3	9		27 3	8		1 0 9
10		25 8	9		27 9	8		1 1 0
10		25 13	9		27 15	8		1 1 7
10		26 2	9		1 0 5	8		1 1 13
10		26 7	9		1 0 11	9		1 2 4
10		26 12	9		1 1 1	9		1 2 10
10		27 1	10		1 1 6	9		1 3 1
10		27 6	10		1 1 12	9		1 3 8
11		27 11	10		1 2 2	9		1 3 15
11		1 0 0	10		1 2 8	9		1 4 6
11		1 0 5	10		1 2 14	9		1 4 12
11		1 0 10	10		1 3 4	9		1 5 3
11		1 1 0	10		1 3 10	10		1 5 10
11		1 1 5	10		1 4 0	10		1 6 1
11		1 1 10	11		1 4 6	10		1 6 7
11		1 1 15	11		1 4 11	10		1 6 14
12		1 2 4	11		1 5 1	10		1 7 5
6	⅜	17 10	11		1 5 7	10		1 7 11

Broad.	Thick.	Weight.				Broad.	Thick.	Weight.				Broad.	Thick.	Weight.			
In.	in	c.	qr.	lb	oz.	in.	in	c.	qr.	lb.	oz.	in.	in	c.	qr.	lb.	oz.
10 2/4	1		1	8	2	10	1 1/8		1	9	13	9 1/4	1 1/4		1	10	13 1/2
10 3/8			1	8	9	10 1/8			1	10	4	9 2/8			1	11	6
11			1	9	0	10 1/4			1	10	11 1/2	9 3/8			1	11	15
11 1/8			1	9	7	10 2/8			1	11	3	9 4/8			1	12	8
11 1/4			1	9	13	10 3/8			1	11	11	9 5/8			1	13	0
11 2/8			1	10	3 1/2	10 4/8			1	12	3	9 6/8			1	13	8
11 3/8			1	10	10 1/2	10 5/8			1	12	10	10			1	14	0
11 4/8			1	11	2 1/2	10 6/8			1	13	2	10 1/8			1	14	8
11 5/8			1	11	9	11			1	13	10	10 2/8			1	15	1
11 6/8			1	11	15	11 1/8			1	14	1	10 3/8			1	15	9
12			1	12	5 1/2	11 2/8			1	14	8	10 4/8			1	16	2
6	1 1/8			22	11	11 3/8			1	15	1	10 5/8			1	16	10
6 1/8				23	2 1/2	11 4/8			1	15	8	10 6/8			1	17	2
6 2/8				23	10	11 5/8			1	15	15	10 7/8			1	17	11
6 3/8				24	1 1/2	11 6/8			1	16	7	11			1	18	3 1/2
6 4/8				24	9	11 7/8			1	16	14	11 1/8			1	18	12
6 5/8				25	0 1/2	12			1	17	6	11 2/8			1	19	4
6 6/8				25	8	6	1 1/4			25	3 1/2	11 3/8			1	19	12
6 7/8				26	0	6 1/8				25	12	11 4/8			1	20	5
7				26	7 1/2	6 2/8				26	4 1/2	11 5/8			1	20	15
7 1/8				26	15	6 3/8				26	12 1/2	11 6/8			1	21	6
7 2/8				27	7 1/2	6 4/8				27	5	11 7/8			1	21	15
7 3/8				27	14 1/2	6 5/8				27	13 1/2	12			1	22	7
7 4/8			1	0	7	6 6/8			1	0	6	6	1 1/8			27	11 1/2
7 5/8			1	0	14	6 7/8			1	0	15	6 1/8			1	0	5 1/2
7 6/8			1	1	6	7			1	1	6 1/2	6 2/8			1	0	14 1/2
7 7/8			1	1	12	7 1/8			1	1	14 1/2	6 3/8			1	1	8
8			1	2	5	7 2/8			1	2	7	6 4/8			1	2	1
8 1/8			1	2	11 1/2	7 3/8			1	3	15 1/2	6 5/8			1	2	10
8 2/8			1	3	3	7 4/8			1	3	8	6 6/8			1	3	3
8 3/8			1	3	11	7 5/8			1	4	0	6 7/8			1	3	12
8 4/8			1	4	3 1/2	7 6/8			1	4	9	7			1	4	5 1/2
8 5/8			1	4	10	7 7/8			1	5	1 1/2	7 1/8			1	4	14
8 6/8			1	5	1 1/2	8			1	5	10	7 2/8			1	5	8
8 7/8			1	5	9	8 1/8			1	6	2	7 3/8			1	6	1
9			1	6	2	8 2/8			1	6	10 1/2	7 4/8			1	6	11
9 1/8			1	6	9	8 3/8			1	7	3	7 5/8			1	7	5
9 2/8			1	7	1	8 4/8			1	7	11 1/2	7 6/8			1	7	14
9 3/8			1	7	7 1/2	8 5/8			1	8	4	7 7/8			1	8	7
9 4/8			1	7	15	8 6/8			1	8	12	8			1	9	0
9 5/8			1	8	6	8 7/8			1	9	4 1/2	8 1/8			1	9	9
9 6/8			1	8	14	9			1	9	13	8 2/8			1	10	1
9 7/8			1	9	6	9 1/8			1	10	5 1/2	8 3/8			1	10	11

Broad.	Thick.	Weight.	Broad.	Thick.	Weight.	Broad.	Thick.	Weight.
In.	in	c. qr. lb. oz.	in.	in	c. qr. lb. oz.	in.	in	c. qr. lb. oz.
8 1/4	1 1/8	1 11 4 1/2	7 3/4	1 1/4	1 11 1	7	1 1/8	1 10 4
8 3/8		1 11 15	7 7/8		1 11 11	7 1/4		1 10 15
8 1/2		1 12 7 1/2	8		1 12 5	7 1/2		1 11 10
8 5/8		1 12 14	8 1/8		1 12 15 1/2	7 3/4		1 12 5
9		1 13 10	8 1/4		1 13 9	7 1/2		1 13 0
9 1/8		1 14 4	8 3/8		1 14 3	7 3/4		1 13 11
9 1/4		1 14 13	8 1/2		1 14 13 1/2	7 7/8		1 14 6
9 3/8		1 15 6	8 3/4		1 15 7	7 5/8		1 15 1
9 1/2		1 15 15	8 3/4		1 16 1	8		1 15 12
9 5/8		1 16 8	8 7/8		1 16 11	8 1/8		1 16 7
9 3/4		1 17 2	9		1 17 6	8 1/4		1 17 2
9 7/8		1 17 11	9 1/8		1 18 0	8 3/8		1 17 13
10		1 18 4	9 1/4		1 18 10	8 1/2		1 18 8
10 1/8		1 18 13	9 3/8		1 19 4	8 3/8		1 19 3
10 1/4		1 19 6	9 1/2		1 19 14	8 3/4		1 19 14
10 3/8		1 19 15	9 5/8		1 20 8	8 1/4		1 20 9
10 1/2		1 20 8	9 3/4		1 21 2	9		1 21 3
10 5/8		1 21 1	9 7/8		1 21 12	9 1/8		1 21 14
10 3/4		1 21 10	10		1 22 7	9 1/4		1 22 9
10 7/8		1 22 3	10 1/8		1 23 0	9 3/8		1 23 4
11		1 22 13	10 1/4		1 23 10	9 1/2		1 23 15
11 1/8		1 23 6	10 3/8		1 24 4	9 5/8		1 24 10
11 1/4		1 23 15	10 1/2		1 24 15	9 3/4		1 25 5
11 3/8		1 24 8	10 3/8		1 25 8	9 7/8		1 26 0
11 1/2		1 25 2 1/2	10 3/4		1 26 2	10		1 26 10
11 3/8		1 25 10	10 7/8		1 26 13	10 1/8		1 27 5
11 3/4		1 26 3	11		1 27 7 1/2	10 1/4		2 0 0
11 7/8		1 26 13	11 1/8		2 0 1	10 3/8		2 0 11
12		1 27 7 1/2	11 1/4		2 0 11	10 1/2		2 1 6
6	1 1/8	1 2 4	11 3/8		2 1 5	10 5/8		2 2 1
6 1/8		1 2 14	11 1/2		2 2 0	10 3/4		2 2 12
6 1/4		1 3 8	11 3/8		2 2 10	10 7/8		2 3 7
6 3/8		1 4 2	11 3/4		2 3 4	11		2 4 2
6 1/2		1 4 12	11 7/8		2 3 14	11 1/8		2 4 13
6 5/8		1 5 6	12		2 4 8	11 1/4		2 5 8
6 3/4		1 6 0	6	1 1/8	1 4 12	11 3/8		2 6 3
6 7/8		1 6 10	6 1/8		1 5 7	11 1/2		2 6 14
7		1 7 5	6 1/4		1 6 3	11 5/8		2 7 8
7 1/8		1 7 15	6 3/8		1 6 13	11 3/4		2 8 4
7 1/4		1 8 9	6 1/2		1 7 8	11 7/8		2 8 15
7 3/8		1 9 3	6 3/8		1 8 3	12		2 9 9
7 1/2		1 9 13	6 3/4		1 8 14	6	1 1/8	1 7 5
7 3/8		1 10 7	6 7/8		1 9 9	6 1/8		1 8 1

Bread.	Thick.	Weight.	Broad.	Thick.	Weight.	Broad.	Thick	Weight.
In.	in	c. qr. lb. oz.	In.	in	c. qr. lb. oz.	In.	in	c. qr. lb. oz.
6¼	1⅛	1 8 13	11⅝	1⅛	2 12 7	10⅞	1⅞	2 12 9
6⅜		1 9 8	11¾		2 13 3	11		2 13 5
6½		1 10 4	11⅞		2 13 15	11⅛		2 14 2
6⅝		1 11 0	12		2 14 10	11¼		2 14 14
6¾		1 11 12	6	1⅛	1 9 13	11⅜		2 15 11
6⅞		1 12 8	6⅛		1 10 12	11½		2 16 8
7		1 13 3	6¼		1 11 8	11⅝		2 17 5
7⅛		1 13 15	6⅜		1 12 4	11¾		2 18 1
7¼		1 14 11	6½		1 13 0	11⅞		2 18 13
7⅜		1 15 7	6⅝		1 13 12	12		2 19 10
7½		1 16 2	6¾		1 14 8	6	2	1 12 5
7⅝		1 16 14	6⅞		1 15 4	6⅛		1 13 2
7¾		1 17 10	7		1 16 0	6¼		1 14 0
7⅞		1 18 6	7⅛		1 16 12	6⅜		1 14 14
8		1 19 1	7¼		1 17 9	6½		1 15 12
8⅛		1 19 13	7⅜		1 18 6	6⅝		1 16 9
8¼		1 20 9	7½		1 19 3	6¾		1 17 6
8⅜		1 21 5	7⅝		1 19 15	6⅞		1 18 4
8½		1 22 0	7¾		1 20 14	7		1 19 1
8⅝		1 22 12	7⅞		1 21 10	7⅛		1 19 14
8¾		1 23 8	8		1 22 7	7¼		1 20 12
8⅞		1 24 4	8⅛		1 23 4	7⅜		1 21 9
9		1 24 15	8¼		1 24 0	7½		1 22 7
9⅛		1 25 11	8⅜		1 24 12	7⅝		1 23 4
9¼		1 26 7	8½		1 25 9	7¾		1 24 2
9⅜		1 27 3	8⅝		1 26 5	7⅞		1 24 15
9½		1 27 14	8¾		1 27 2	8		1 25 12
9⅝		2 0 10	8⅞		1 27 15	8⅛		1 26 10
9¾		2 1 6	9		2 0 12	8¼		1 27 7
9⅞		2 2 2	9⅛		2 1 8	8⅜		2 0 4
10		2 2 13	9¼		2 2 5	8½		2 1 1
10⅛		2 3 9	9⅜		2 3 2	8⅝		2 1 15
10¼		2 4 5	9½		2 3 14	8¾		2 2 13
10⅜		2 5 1	9⅝		2 4 11	8⅞		2 3 10
10½		2 5 12	9¾		2 5 7	9		2 4 8
10⅝		2 6 8	9⅞		2 6 4	9⅛		2 5 6
10¾		2 7 4	10		2 7 0	9¼		2 6 4
10⅞		2 8 0	10⅛		2 7 13	9⅜		2 7 0
11		2 8 12	10¼		2 8 10	9½		2 7 14
11⅛		2 9 7	10⅜		2 9 6	9⅝		2 8 12
11¼		2 10 3	10½		2 10 3	9¾		2 9 10
11⅜		2 10 15	10⅝		2 11 0	9⅞		2 10 8
11½		2 11 11	10¾		2 11 12			

Broad.	Thick.	Weight.				Broad.	Thick.	Weight.				Broad.	Thick.	Weight.			
In.	in	c.	qr.	lb.	oz.	in.	in	c.	qr.	lb.	oz.	in.	in	c.	qr.	lb.	oz.
10	2	2	11		4	9¼	2 1/8	2	10	1		8¼	2¼	2	8		7
10⅛		2	12		2	9⅜		2	10	15		8⅜		2	9		4
10¼		2	13		0	9½		2	11	14		8½		2	10		3
10⅜		2	13		13	9⅝		2	12	12		8⅝		2	11		2
10½		2	14		10	9¾		2	13	11		9		2	12		4
10⅝		2	15		8	9⅞		2	14	9		9⅛		2	13		2
10¾		2	16		5	10		2	15	7		9¼		2	14		2
10⅞		2	17		2	10 1/8		2	16	5		9⅜		2	14		15
11		2	17		15	10¼		2	17	3		9½		2	15		14
11 1/8		2	18		13	10⅜		2	18	1		9⅝		2	16		12
11¼		2	19		11	10½		2	19	0		9¾		2	17		12
11 3/8		2	20		8	10 3/8		2	19	14		9⅞		2	18		12
11½		2	21		5	10¾		2	20	12		10		2	19		10
11⅝		2	22		2	10⅞		2	21	11		10⅛		2	20		8
11¾		2	23		0	11		2	22	10		10¼		2	21		7
11 7/8		2	23		13	11⅛		2	23	8		10 3/8		2	22		6
12		2	24		11	11¼		2	24	5		10⅜		2	23		6
6	2⅛	1	14		14	11⅜		2	25	4		10⅝		2	24		6
6⅛		1	15		12	11½		2	26	3		10¼		2	25		4
6¼		1	16		10	11⅝		3	27	1		10⅞		2	26		4
6⅜		1	17		8	11¾		3	0	0		11		2	27		4
6½		1	18		6	11 7/8		3	0	14		11⅛		3	0		2
6 3/8		1	19		5	12		3	1	12		11¼		3	1		0
6¾		1	20		4	6	2¼	1	17	6		11⅜		3	2		2
6⅞		1	21		2	6⅛		1	18	5		11½		3	3		0
7		1	22		0	6¼		1	19	4		11⅝		3	3		14
7 1/8		1	22		14	6⅜		1	20	3		11¾		3	4		14
7¼		1	23		12	6½		1	21	2		11 7/8		3	5		12
7⅜		1	24		11	6⅝		1	22	1		12		3	6		12
7½		1	25		10	6¾		1	23	0		6	2 3/8	1	19		14
7⅝		1	26		8	6 7/8		1	24	0		6⅛		1	20		14
7¾		1	27		6	7		1	24	15		6¼		1	21		14
7⅞		2	0		3	7⅛		1	25	14		6⅜		1	22		14
8		2	1		3	7¼		1	26	15		6½		1	23		14
8⅛		2	2		0	7⅜		1	27	13		6 5/8		1	24		14
8¼		2	2		14	7½		2	0	14		6¾		1	25		14
8 3/8		2	3		13	7⅝		2	1	12		6 7/8		1	26		14
8½		2	4		12	7¾		2	2	12		7		1	27		14
8⅝		2	5		9	7 7/8		2	3	8		7⅛		2	0		14
8¾		2	6		8	8		2	4	10		7¼		2	1		14
8 7/8		2	7		7	8⅛		2	5	7		7⅜		2	2		14
9		2	8		6	8¼		2	6	6		7½		2	3		14
9⅛		2	9		3	8⅜		2	7	6		7 5/8		2	4		14

Broad.	Thick.	Weight.	Broad.	Thick.	Weight.	Broad.	Thick.	Weight.
In.	in	c. qr. lb. oz.	in.	in	c. qr. lb. oz.	in.	in	c. qr. lb. oz.
7 3/4	2 3/8	2 5 14	7	2 1/4	2 2 13	6 1/4	2 1/8	1 27 3
7 1/8		2 6 14	7 1/8		2 3 14	6 5/16		2 0 4
8		2 7 14	7 1/4		2 4 15	6 1/4		2 1 6
8 1/8		2 8 14	7 3/8		2 6 0	6 3/8		2 2 8
8 1/4		2 9 14	7 1/2		2 7 0	6 1/2		2 3 10
8 5/16		2 10 14	7 5/8		2 8 1	6 7/8		2 4 12
8 1/4		2 11 14	7 3/4		2 9 2	7		2 5 12
8 3/8		2 12 14	7 7/8		2 10 3	7 1/8		2 7 13
8 1/2		2 13 14	8		2 11 4	7 1/4		2 8 0
8 7/8		2 14 14	8 1/8		2 12 5	7 3/8		2 9 1
9		2 15 14	8 1/4		2 13 6	7 1/4		2 10 4
9 1/16		2 16 14	8 3/8		2 14 7	7 3/8		2 11 5
9 1/4		2 17 14	8 1/2		2 15 7	7 1/2		2 12 7
9 3/8		2 18 14	8 5/8		2 16 8	7 7/8		2 13 9
9 1/2		2 19 14	8 3/4		2 17 9	8		2 14 10
9 5/8		2 20 14	8 7/8		2 18 10	8 1/8		2 15 12
9 3/4		2 21 14	9		3 19 10	8 1/4		2 16 12
9 7/8		2 22 14	9 1/8		2 20 11	8 3/8		2 17 15
10		2 23 14	9 1/4		3 21 12	8 1/2		2 19 0
10 1/8		2 24 14	9 3/8		2 22 13	8 5/8		2 20 2
10 1/4		2 25 14	9 1/2		2 23 14	8 3/4		2 21 3
10 3/8		2 26 14	9 5/8		2 24 15	8 7/8		2 22 4
10 1/2		2 27 14	9 3/4		2 26 0	9		2 23 7
10 5/8		3 0 14	9 7/8		2 27 0	9 1/8		2 24 9
10 3/4		3 1 14	10		3 0 0	9 1/4		2 25 10
10 7/8		3 2 14	10 1/8		3 1 0	9 3/8		2 26 12
11		3 3 14	10 1/4		3 2 2	9 1/2		2 27 14
11 1/8		3 4 14	10 3/8		3 3 3	9 5/8		3 1 0
11 1/4		3 5 14	10 1/2		3 4 4	9 3/4		3 2 2
11 3/8		3 6 14	10 5/8		3 5 4	9 7/8		3 3 3
11 1/2		3 7 13	10 3/4		3 6 4	10		3 4 4
11 5/8		3 8 13	10 7/8		3 7 6	10 1/8		3 5 6
11 3/4		3 9 13	11		3 8 7	10 1/4		3 6 7
11 7/8		3 10 13	11 1/8		3 9 8	10 3/8		3 7 9
12		3 11 13	11 1/4		3 10 8	10 1/2		3 8 10
6	2 1/4	1 22 7	11 5/16		3 11 8	10 5/8		3 9 12
6 1/8		1 23 8	11 1/4		3 12 10	10 3/4		3 10 13
6 1/4		1 24 9	11 3/8		3 13 14	10 7/8		3 11 14
6 3/8		1 25 9	11 3/4		3 14 13	11		3 13 0
6 1/4		1 26 10	11 7/8		3 15 14	11 1/8		3 14 2
6 3/8		1 27 11	12		3 16 14	11 1/4		3 15 3
6 3/4		2 0 12	6	2 3/8	1 24 15	11 3/8		3 16 4
6 7/8		2 1 14	6 1/8		1 26 1	11 1/2		3 17 6

Broad.	Thick.	Weight.	Broad.	Thick.	Weight.	Broad.	Thick.	Weight.
in.	in	c. qr. lb. oz.	in.	in	c. qr. lb. oz.	in.	in	c. qr. lb. oz.
11 5/16	2 3/8	3 18 8	10 7/8	2 3/4	3 16 8	10 1/16	2 7/8	3 13 14
11 3/8		3 19 10	11		3 17 10	10 1/8		3 15 1
11 7/16		3 20 12	11 1/8		3 18 12	10 3/16		3 16 4
12		3 21 14	11 1/4		3 19 14	10 1/4		3 17 7
6	2 1/4	1 27 7	11 3/8		3 21 0	10 5/16		3 18 9
6 1/16		2 0 11	11 1/2		3 22 2	10 3/8		3 19 12
6 1/8		2 1 13	11 5/8		3 23 4	10 7/16		3 21 0
6 3/16		2 3 0	11 3/4		3 24 7	11		3 22 4
6 1/4		2 4 2	11 7/8		3 25 10	11 1/8		3 23 7
6 5/16		2 5 4	12		3 26 15	11 1/4		3 24 10
6 3/8		2 6 6	6	2 7/8	2 2 0	11 3/8		3 25 13
6 7/16		2 7 8	6 1/8		2 3 3	11 1/2		3 27 1
7		2 8 11	6 1/4		2 4 6	11 5/8	1	0 0 4
7 1/16		2 9 12	6 5/16		2 5 9	11 3/4	1	0 1 8
7 1/8		2 11 0	6 3/8		2 6 12	11 7/8	1	0 2 12
7 3/16		2 12 2	6 7/16		2 8 0	12	1	0 4 0
7 1/4		2 13 6	6 1/2		2 9 2	6	3	2 4 8
7 5/16		2 14 10	6 7/8		2 10 6	6 1/8		2 5 12
7 3/8		2 15 12	7		2 11 10	6 1/4		2 7 0
7 7/16		2 16 14	7 1/8		2 12 14	6 3/8		2 8 4
8		2 18 0	7 1/4		2 14 2	6 1/2		2 9 8
8 1/16		2 19 2	7 3/8		2 15 6	6 5/8		2 10 12
8 1/8		2 20 4	7 1/2		2 16 10	6 3/4		2 12 0
8 5/16		2 21 6	7 5/8		2 17 12	6 7/8		2 13 5
8 1/4		2 22 9	7 3/4		2 18 15	7		2 14 10
8 3/8		2 23 13	7 7/8		2 20 2	7 1/8		2 15 14
8 1/2		2 25 0	8		2 21 6	7 1/4		2 17 2
8 7/16		2 26 2	8 1/8		2 22 8	7 3/8		2 18 6
9		2 27 4	8 1/4		2 23 10	7 1/2		2 19 10
9 1/8		3 0 8	8 3/8		2 24 14	7 5/8		2 20 14
9 1/4		3 1 10	8 1/2		2 26 2	7 3/4		2 22 2
9 5/16		3 2 12	8 5/8		2 27 6	7 7/8		2 23 6
9 3/8		3 3 14	8 3/4		3 0 8	8		2 24 10
9 5/16		3 5 0	8 7/8		3 1 12	8 1/8		2 25 14
9 3/4		3 6 4	9		3 3 0	8 1/4		2 27 2
9 7/8		3 7 6	9 1/8		3 4 3	8 3/8		3 0 6
10		3 8 8	9 1/4		3 5 6	8 1/2		3 1 10
10 1/8		3 9 10	9 5/16		3 6 9	8 5/8		3 2 14
10 1/4		3 10 12	9 1/2		3 7 12	8 3/4		3 4 3
10 3/8		3 11 14	9 3/8		3 9 0	8 7/8		3 5 7
10 1/2		3 13 0	9 3/4		3 10 3	9		3 6 12
10 5/8		3 14 2	9 7/8		3 11 7	9 1/8		3 8 0
10 3/4		3 15 5	10		3 12 10	9 1/4		3 9 4

Broad.	Thick.	Weight.	Broad.	Thick.	Weight.	Broad.	Thick.	Weight.
in.	in	c. qr. lb. oz.	in.	in	c. qr. lb. oz.	in.	in	c. qr. lb. oz.
9	3	3 10 8	10	3	3 20 8	11	3	1 0 1 6
9		3 11 12	10		3 21 12	11		1 0 2 11
9		3 13 0	10		3 23 0	11		1 0 4 0
9		3 14 4	10		3 24 4	11		1 0 5 4
9		3 15 8	10		3 25 9	11		1 0 6 8
10		3 16 13	11		3 26 14	11		1 0 7 12
10		3 18 1	11		1 0 0 2	12		1 0 9 0
10		3 19 5						

SECTION III.—TABLE 21.

WEIGHT OF ANGLED IRON, 12 INCHES IN LENGTH.

Breadth of iron, inches & parts.	Thickness at throat, in in. and parts.	Thickness in middle of web, inches & parts.	Weight of 1 foot	Breadth of iron inches & parts.	Thickness at throat, in in. and parts.	Thickness in middle of web, inches & parts.	Weight of 1 foot.
			qr. lb. oz.				qr. lb. oz.
6 × 4	2	1	1 5 9	3 × 3			0 6 0
6 × 3	1		0 13 12		1		0 9 0
6 × 3			0 13 0				0 7 0
5 × 3	1		0 11 0				0 6 8
4 × 3			0 10 0				0 6 0
4 × 3			0 9 0				0 5 8
4 × 2			0 7 10				0 5 10
3 × 3	1		0 14 0				0 5 2
3 × 3			0 15 0	2 × 2			0 3 0
3 × 3	1		0 11 12	1 × 1			0 3 1
3 × 3			0 8 0				0 2 0
3 × 2			0 8 8				

SECTION III.—TABLE 22.

WEIGHT OF HEXAGON NUTS PER 100.

With Allowance to fit One-sixteenth of an Inch over Flats, and One-eighth of an Inch in Depth.

No. 100	¼ inch size	0 qr.	7 lb.	0 oz.	weight.
100	⅜ „	0	14	0	„
100	½ „	0	20	0	„
100	⅞ „	1	7	0	„
100	1 „	1	26	0	„
100	1⅛ „	2	15	0	„

WEIGHT OF SINGLE NUTS,

(One-eighth being allowed over Flats in the following.)

No. 1	1⅛ inch size	1	lb. 0	oz.	weight.
1	1¼ „	1	3	0	„
1	1⅜ „	2	0	0	„
1	1½ „	2	5	0	„
1	1⅝ „	2	10½		„
1	1⅞ „	3	0	0	„
1	2 „	4	0	0	„
1	2¼ „	5	0	0	„
1	2½ „	7	0	0	„
1	2¾ „	9	0	0	„
1	3 „	11	0	0	„

SECTION III.—TABLE 23.

WEIGHT OF 144 WASHERS, BEING ONE GROSS, ONE-EIGHTH OF AN INCH THICK.

Diam. of hole,	1⅜ in.;	outside diam.,	3⅝ in.;	weight,	1 qr.	24 lb.	0 oz.
„	1½ „	„	3	„	1	0	8
„	1⅝ „	„	3	„	1	4	8
„	1¾ „	„	2½	„	0	20	4
„	1⅞ „	„	2¼	„	0	16	0
„	1 „	„	2	„	0	13	0
„	0⅞ „	„	1⅞	„	0	11	0
„	0¾ „	„	1¾	„	0	10	8
„	0⅝ „	„	1½		0	7	14
„	0½ „	„	1⅛		0	3	7

SECTION III.—TABLE 24.

WEIGHT OF TWELVE INCHES IN LENGTH OF CONVEX, OR WHAT IS GENERALLY TERMED HALF-ROUND IRON,

USED FOR HOOPS OF SHIP MASTS AND TYERS OF COACH WHEELS.

Breadth of iron, in inches.	Thickness in middle, in inches.	Thickness of edge, in inches.	Weight per foot. lb. oz.
0 1/8	1/16	Feather edge	0 6 1/2
1 1/16	1/16	Feather edge	0 14
1	1/16	Feather edge	1 0
1 1/4	1/16	Feather edge	1 2
1 1/16	1/16	1/4	1 7 1/2
1 3/8	1/16	1/4	1 8
1 1/2	1/16	Feather edge	1 7
1 5/8	1/16	1/16	2 4
1 3/4	1/16	1/16	2 3
1 7/8	1/16	1/16	2 15
1 15/16	1/16	3/16	3 0 1/2
1 1/16	1/16	1/16	3 6 1/2
2	1/16	Feather edge	1 10
2	1/4	1/4	3 4
2	1/16	1/4	3 7
2	1/16	1/4	5 3
2	1	1/4	5 14 1/2
2 1/4	1	1/4	6 9 1/2
2 1/2	1	1/16	7 12
3	1/8	Feather edge	2 10

ROLLING MILL WORK.—BOILER PLATE SLABS.

SECTION III.—TABLE 25,

GIVING the proper weight of any slab of iron used in rolling boiler plate of any given dimensions, in square or superficial feet, allowing for waste in the furnace, and waste for shearing after it is rolled, as practised by Messrs. Hawks, Crawshay, and Sons, Gateshead, England.

Feet.	1/16 thick.	3/16 thick.	1/4 thick.	5/16 thick.	3/8 thick.	7/16 thick.	1/2 thick.	9/16 thick.	5/8 thick.
	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.
1	3½	6½	9½	13	16½	19½	22½	26	29½	32½
2	6½	13	19½	26	32½	39	45½	52	58½	65
3	9¾	19½	29¼	39	48¾	58½	68¼	78	87¾	97½
4	13	26	39	52	65	78	91	104	117	130
5	16½	32½	48¾	65	81¼	97½	113¾	130	146¼	162½
6	19½	39	58½	78	97½	117	136½	156	175½	195
7	22¾	45½	68¼	91	113¾	136½	159¼	182	204¾	227½
8	26	52	78	104	130	156	182	208	234	260
9	29¼	58½	87¾	117	146¼	175½	204¾	234	263¼	292½
10	32½	65	97½	130	162½	192	227½	260	292½	325
11	35¾	71½	107¼	143	178¾	214½	250¼	286	321¾	357½
12	39	78	117	156	195	234	273	312	351	390
13	42¼	84½	126¾	169	211¼	253½	295¾	338	380¼	422½
14	45½	91	135½	182	227½	273	318½	364	409½	455
15	48¾	97½	146¼	195	243¾	292½	341¼	390	438¾	487½
16	52	104	156	208	260	312	364	416	468	520
17	55¼	110½	165¾	221	276¼	331½	386¾	442	497¼	552½
18	58½	117	175½	234	292½	351	409½	468	526¾	585
19	61¾	123½	185¼	247	308¾	370½	432¼	494	555¾	617½
20	65	130	195	260	325	390	455	520	585	650

ROLLING MILL WORK (continued).

SECTION III.—TABLE 26,

SHEWING the number of feet in a ton weight of different sizes of round and square rolled iron, and how to obtain the length, in feet, of bars larger than those enumerated in the table.

Rule.—Divide any given number of feet in the table by 4, and the product will be the length in feet for bars double the size.

Round size.	No. of feet in a ton.	Round size.	No. of feet in a ton.	Square size.	No. of feet in a ton.	Square size.	No. of feet in a ton.
In.				In.		In.	
1/4	13784	1 1/16	761	1/4	10791	1 1/16	596
5/16	8853	1 1/8	679	5/16	6892	1 1/8	532
3/8	6108	1 3/16	608	3/8	4792	1 3/16	478
7/16	4480	1 1/4	553	7/16	3514	1 1/4	431
1/2	3446	1 5/16	499	1/2	2698	1 5/16	391
9/16	2716	1 3/8	454	9/16	2128	1 3/8	355
5/8	2213	1 7/16	406	5/8	1723	1 7/16	326
11/16	1816	1 1/2	382	11/16	1420	1 1/2	299
3/4	1527	1 5/8	326	3/4	1198	1 5/8	254
13/16	1304	1 3/4	280	13/16	1016	1 3/4	220
7/8	1120	1 7/8	245	7/8	879	1 7/8	191
15/16	980	2	215	15/16	764	2	168
1	861	2 1/8	191	1	674	2 1/8	149

FLAT ROLLED IRON.

THE following table gives the number of feet in a ton weight of flat rolled iron for any dimensions required, and how to find the length of bars double the size larger than those mentioned in the table.

Rule.—Refer to column of half the thickness required, and opposite the breadth wanted; then divide the given number of feet by 2, and this will give the length, in feet, for bars double the thickness. Or, if the thickness you want be in the table, divide any number of feet given by 2, and it will give the length of bars double the breadth and same thickness as column you refer to. And to obtain the length in feet of bars double the size in breadth and thickness, divide any given number of feet by 4.

SECTION III.—TABLE 27,

Broad.	⅛ in. tck.	5/16 in. tck	¼ in. tck.	7/16 in. tck	⅜ in. tck.	9/16 in. tck	½ in. tck.	⅝ in. tck.	¾ in. tck.	7/8 in. tck.	1 in. tck.
In	ft. in ton	ft. in ton	ft. in ton	ft. in ton	ft. in ton	ft. in ton	ft. in ton	ft. in ton	ft. in ton	ft. in ton	ft. in ton
1	5397	3584	2699	2154	1792	1540	1349	1077	896	770	675
1⅛	4792	3189	2396	2000	1600	1367	1198	1000	800	684	599
1¼	4307	2872	2154	1723	1436	1231	1077	862	718	616	538
1⅜	3913	2612	1957	1566	1306	1119	979	783	653	559	489
1½	3586	2395	1793	1346	1198	1026	897	673	599	513	449
1⅝	3308	2218	1659	1326	1109	947	829	663	555	474	415
1¾	3080	2055	1540	1231	1028	879	770	616	514	439	385
1⅞	2881	1918	1441	1149	959	821	721	575	479	411	361
2	2699	1792	1349	1077	896	771	675	539	448	385	337
2⅛	2531	1682	1265	1014	841	723	633	507	421	362	317
2¼	2395	1595	1197	1000	798	684	599	500	399	343	299
2⅜	2268	1513	1134	907	757	648	567	454	379	324	284
2½	2154	1436	1077	862	718	616	539	431	359	308	269
2⅝	2051	1368	1026	839	684	584	513	419	342	293	257
2¾	1957	1306	979	784	653	560	489	392	327	280	245
2⅞	1875	1252	937	749	626	534	469	375	313	267	235
3	1793	1198	897	673	599	513	449	337	299	257	224

SECTION III.—TABLE 28.

REDUCING SHORT WEIGHT INTO LONG WEIGHT FOR THE MANUFACTURE OF IRON THE STANDARD BEING 120 POUNDS PER HUNDREDWEIGHT.

No.	Weight.	No.	Weight.	No.	Weight.	No.	Weight.
Cwt.	Cwt. qr. lb.	Cwt.	Cwt. qr. lb.	Tons.	Tons. cwt. qr. lb.	Tons.	Tons. cwt. qr. lb.
¼	0 0 28	17	15 3 14	2	1 17 1 10	45	42 0 0 0
½	0 1 26	18	16 3 6	3	2 16 0 0	50	46 13 1 10
¾	0 2 24	19	17 2 28	4	3 14 2 20	55	51 6 2 20
1	0 3 22	20	18 2 20	5	4 13 1 10	60	56 0 0 0
2	1 3 14	21	19 2 12	6	5 12 0 0	65	60 13 1 10
3	2 3 6	22	20 2 4	7	6 10 2 20	70	65 6 2 20
4	3 2 28	23	21 1 26	8	7 9 1 10	75	70 0 0 0
5	4 2 20	24	22 1 18	9	8 8 0 0	80	74 13 1 10
6	5 2 12	25	23 1 10	10	9 6 2 20	85	79 6 2 20
7	6 2 4	26	24 1 2	11	10 5 1 10	90	84 0 0 0
8	7 1 26	27	25 0 24	12	11 4 0 0	95	88 13 1 10
9	8 1 18	28	26 0 16	13	12 2 2 20	100	93 6 2 20
10	9 1 10	28	27 0 8	14	13 1 1 10	200	186 13 1 10
11	10 1 2	30	28 0 0	15	14 0 0 0	300	280 0 0 0
12	11 0 24	31	28 3 22	20	18 13 1 10	400	373 6 2 20
13	12 0 16	32	29 3 14	25	23 6 2 20	500	466 13 1 10
14	13 0 8	33	30 3 6	30	28 0 0 0	1000	933 6 2 20
15	14 0 0	34	31 2 28	35	32 13 1 10	2000	1866 13 1 10
16	14 3 22	35	32 2 20	40	37 6 2 20	3000	2800 0 0 0

SECTION III.—TABLE 29.

REDUCING LONG WEIGHT INTO SHORT WEIGHT FOR THE MANUFACTURE OF IRON, THE STANDARD BEING 120 POUNDS PER HUNDREDWEIGHT.

No.	Weight.	No.	Weight.	No.	Weight.	No.	Weight.
Cwt.	Cwt. qr. lb.	Cwt.	Cwt. qr. lb.	Tons.	Tons. cwt. qr. lb.	Tons.	Tons. cwt qr. lb.
¼	0 1 2	17	18 0 24	2	2 2 3 12	45	48 4 1 4
½	0 2 4	18	19 1 4	3	3 4 1 4	50	53 11 1 20
¾	0 3 6	19	20 1 12	4	4 5 2 24	55	58 18 2 8
1	1 0 8	20	21 1 20	5	5 7 0 16	60	64 5 2 24
2	2 0 16	21	22 2 0	6	6 8 2 8	65	69 12 3 12
3	3 0 24	22	23 2 8	7	7 10 0 0	70	75 0 0 0
4	4 1 4	23	24 2 16	8	8 11 1 20	75	80 7 0 16
5	5 1 12	24	25 2 24	9	9 12 3 12	80	85 14 1 14
6	6 1 20	25	26 3 5	10	10 14 1 4	85	91 1 1 20
7	7 2 0	26	27 3 12	11	11 15 2 24	90	96 8 2 8
8	8 2 8	27	28 3 20	12	12 17 0 16	95	101 15 2 24
9	9 2 16	28	30 0 0	13	13 18 2 8	100	107 2 3 12
10	10 2 24	29	31 0 8	14	15 0 0 0	200	214 5 2 24
11	11 3 4	30	32 0 16	15	16 1 1 20	300	321 8 2 8
12	12 3 12	31	33 0 24	20	21 8 2 8	400	428 11 1 20
13	13 3 20	32	34 1 4	25	26 15 2 24	500	535 14 1 4
14	15 0 0	33	35 1 12	30	32 2 3 12	1000	1071 8 2 8
15	16 0 8	34	36 1 20	35	37 10 0 0	2000	2142 17 0 16
16	17 0 16	35	37 2 0	40	42 17 0 16	3000	3214 5 2 24

SECTION III.—TABLE 30.

WEIGHT OF SQUARE CAST IRON, 12 INCHES LONG, FROM ⅛ AN INCH UP TO 6⅞ INCHES,

Size	Weight.	Size	Weight.	Size	Weight.	Size	Weight.
In.	lb. oz.	In.	lb. oz.	In.	lb. oz.	In.	lb. oz.
⅛	0 12½	2	12 8	3⅛	38 4½	5	78 2
¼	1 3½	2⅛	14 2	3¼	41 1	5⅛	82 1½
⅜	1 12	2¼	15 13	3⅜	43 15½	5¼	86 2
½	2 6½	2⅜	17 10	3½	46 15	5⅜	90 4½
		2½	19 8½			5½	94 8½
1	3 2	2⅝	21 8½	4	50 0	5⅝	98 14
1⅛	3 15½	2¾	23 10	4⅛	53 2½	5¾	103 5
1¼	4 14	2⅞	25 13½	4¼	56 7	5⅞	107 14
1⅜	5 14½			4⅜	59 13		
1½	7 0½	3	28 2	4½	63 4½	6	112 8
1⅝	8 4	3⅛	30 8	4⅝	66 13½	6⅛	117 2½
1¾	9 9	3¼	32 15½	4¾	70 8	6¼	122 1½
1⅞	10 15½	3⅜	35 9½	4⅞	74 4	6⅜	126 12½

SECTION III.—TABLE 31.

WEIGHT OF ROUND CAST IRON, 12 INCHES LONG, FROM ⅛ AN INCH UP TO 6⅞ INCHES IN DIAMETER.

Size	Weight.	Size	Weight.	Size	Weight.	Size	Weight.
In.	lb. oz.	In.	lb. oz.	In.	lb. oz.	In.	lb. oz.
⅛	0 10	2	9 13	3⅛	30 1	5	61 5¾
¼	0 15½	2⅛	11 1½	3¼	32 4	5⅛	64 7½
⅜	1 6	2¼	12 7	3⅜	34 8	5¼	67 10½
½	1 14	2⅜	13 13½	3½	36 13½	5⅜	70 1½
		2½	15 5½			5½	74 4
1	2 7½	2⅝	16 14¾	4	39 4½	5⅝	77 10½
1⅛	3 2	2¾	18 9	4⅛	41 12	5¾	81 2½
1¼	3 13½	2⅞	20 4½	4¼	44 4½	5⅞	84 11¼
1⅜	4 10½			4⅜	46 15½		
1½	5 8¼	3	22 1½	4½	49 11½	6	88 5½
1⅝	6 7¾	3⅛	23 15½	4⅝	52 8	6⅛	91 14½
1¾	7 8	3¼	25 15	4¾	55 6	6¼	95 14
1⅞	8 10	3⅜	27 15½	4⅞	58 5¼	6⅜	99 9

WEIGHT OF 12 INCHES IN LENGTH OF FLAT CAST IRON, INCH TO TWO INCHES THICK, AND

Broad.	¼ thick.	⅜ thick.	½ thick.	⅝ thick.	¾ thick.	⅞ thick.	1 inch thick.
In.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.
2	1 9	2 5½	3 2	3 14½	4 11	5 7½	6 4
2¼	1 10½	2 7½	3 5	4 2½	5 0	5 13	6 10½
2½	1 12	2 10	3 8	4 6½	5 4½	6 2½	7 0½
2⅝	1 13½	2 12½	3 11½	4 10	5 9½	6 8	7 7
2¾	1 15½	2 15	3 14½	4 14	5 13½	6 13½	7 13
2⅞	2 1	3 1½	4 1½	5 2	6 2½	7 2½	8 3½
2⅞	2 2½	3 3½	4 4½	5 6	6 7	7 8	8 9½
2¾	2 3½	3 5½	4 7½	5 9½	6 11½	7 13½	9 0
3	2 5½	3 8	4 11	5 13½	7 0½	8 3½	9 6
3⅛	2 7	3 10½	4 14	6 1½	7 5½	8 9	9 12½
3¼	2 8½	3 13	5 1	6 5½	7 10	8 14½	10 2½
3⅜	2 10½	3 15½	5 4½	6 9½	7 14½	9 4	10 8½
3½	2 12	4 2	5 7½	6 13½	8 3½	9 9	10 15
3⅝	2 13½	4 4½	5 10½	7 1½	8 8	9 14½	11 5½
3¾	2 15	4 6½	5 13½	7 5	8 12½	10 4	11 11½
3⅞	3 0½	4 8½	6 1	7 9	9 1½	10 9	12 2
4	3 2	4 11	6 4	7 13	9 6	10 15	12 8
4¼	3 3½	4 13½	6 7½	8 1	9 10½	11 4½	12 14½
4½	3 5	4 15½	6 10½	8 5	9 15½	11 10	13 4½
4⅝	3 6½	5 2	6 13½	8 8½	10 4	11 15½	13 10½
4¼	3 8	5 4½	7 0½	8 12½	10 8½	12 5	14 1
4⅜	3 9½	5 6½	7 4	9 0½	10 13½	12 10½	14 7½
4½	3 11½	5 9	7 7	9 4½	11 2	12 15½	14 13½
4⅝	3 13	5 11½	7 10	9 8½	11 6½	13 5½	15 4½
5	3 14½	5 14	7 13	9 12	11 11½	13 11	15 10
5¼	4 0½	6 0½	8 0½	10 0	12 0½	14 0½	16 0½
5½	4 2	6 2½	8 3½	10 4	12 5	14 5½	16 6½
5⅝	4 3½	6 4½	8 6½	10 8	12 9½	14 11	16 12½
5¼	4 5	6 7	8 9½	10 12	12 14½	15 0½	17 3
5⅜	4 6½	6 9½	8 12½	11 0	13 3	15 6	17 9½
5½	4 8	6 12	9 0	11 4	13 7½	15 11½	17 15½
5⅝	4 9½	6 14½	9 3	11 7½	13 12½	16 1	18 6
6	4 11	7 0½	9 6	11 11½	14 1	16 6½	18 12

—TABLE 32.

ADVANCING BY AN EIGHTH FROM A QUARTER OF AN INCH FROM TWO TO SIX INCHES BROAD.

1¼ thick	1½ thick	1⅝ thick	1¾ thick	1⅞ thick	1¾ thick	1⅞ thick	2 inches thick.
lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.
7 0½	7 13	8 9½	9 6	10 6½	10 15	11 11½	12 8
7 7½	8 5	9 2	9 15½	10 14½	11 10	12 7½	13 4½
7 14½	8 12½	9 10½	10 9	11 7	12 5	13 3	14 1
8 5½	9 4½	10 3	11 2	12 1	13 0	13 14½	14 13½
8 12½	9 12	10 11½	11 11	12 11	13 11	14 10½	15 10
9 3½	10 4	11 4½	12 4½	13 5	14 5½	15 6	16 6½
9 10½	10 12	11 13	12 14	13 15	15 0	16 1½	17 3
10 1½	11 3½	12 5½	13 7½	14 9½	15 11½	16 13	18 0
10 8½	11 11	12 14	14 1	15 4	16 7	17 9½	18 12
10 15½	12 3	13 6½	14 10½	15 14	17 2	18 5	19 8½
11 6½	12 11	13 15½	15 4	16 8½	17 12½	19 0½	20 5
11 13½	13 3	14 8½	15 13½	17 2½	18 8	19 12½	21 1½
12 5	13 11	15 1	16 7	17 12½	19 2	20 8	21 14
12 12	14 2½	15 9½	17 0	18 6½	19 13	21 3½	22 10½
13 2½	14 10	16 1½	17 9	19 0½	20 8	21 15½	23 7
13 10	15 2	16 10½	18 2½	19 10½	21 3	22 11½	24 3½
14 1	15 10	17 3	18 12	20 5	21 14	23 7	25 0
14 8½	16 2	17 11½	19 5½	20 15½	22 9	24 3	25 12½
14 15½	16 10	18 4½	19 15	21 9½	23 4	24 14½	26 9
15 6½	17 1½	18 12½	20 8	22 3½	23 15	25 10½	27 5½
15 13	17 9	19 5	21 1	22 13½	24 10	26 6	28 2
16 4½	18 1	19 13½	21 10½	23 7½	25 5	27 5½	28 14½
16 11½	18 9	20 6½	22 4	24 1½	25 15½	27 13½	29 11
17 2½	19 0	20 15	22 13½	24 11½	26 11	28 9½	30 7½
17 9	19 8	21 7½	23 7	25 6½	27 6	29 5	31 4
18 0½	20 0	22 0½	24 2½	26 0½	28 0½	30 0½	32 0½
18 7½	20 8	22 9	24 10	26 10½	28 11	30 12	32 13
18 14½	21 0	23 1½	25 3½	27 5½	29 6	31 7½	33 9½
19 5½	21 8	23 10½	25 13	27 15	30 1	32 3½	34 6
19 12½	22 0	24 3	26 6½	28 9	30 12	32 15	35 2½
20 4	22 8	24 11½	26 15	29 3½	31 7½	33 11½	35 15
20 10½	23 0	25 4	27 8½	29 13	32 2	34 7	36 11½
21 1½	23 7	25 12½	28 2	30 7½	32 13	35 2½	37 8

TABLE 33.

Weight of 12 inches in length of round steel, from $\frac{1}{4}$ of an inch up to $3\frac{1}{4}$ inches in diameter.

Size.	Weight.	Size.	Weight.	Size.	Weight.
in	lb. oz.	in	lb. oz.	in	lb. oz.
$\frac{1}{4}$	0 $2\frac{3}{4}$	$1\frac{1}{4}$	4 $7\frac{1}{2}$	$2\frac{1}{4}$	13 15
$\frac{3}{8}$	0 6	$1\frac{3}{8}$	5 1	$2\frac{3}{8}$	15 8
$\frac{1}{2}$	0 $10\frac{1}{2}$	$1\frac{1}{2}$	6 0	$2\frac{1}{2}$	17 3
$\frac{5}{8}$	1 $0\frac{1}{4}$	$1\frac{5}{8}$	7 1	$2\frac{5}{8}$	18 15
$\frac{3}{4}$	1 8	$1\frac{3}{4}$	8 $3\frac{1}{2}$	$2\frac{3}{4}$	20 $12\frac{1}{4}$
$\frac{7}{8}$	2 1	$1\frac{7}{8}$	9 $6\frac{1}{4}$	$2\frac{7}{8}$	22 12
1	2 11	2	10 $11\frac{1}{8}$	3	24 12
$1\frac{1}{8}$	3 6	$2\frac{1}{8}$	12 $6\frac{1}{4}$	$3\frac{1}{8}$	26 $13\frac{3}{4}$

TABLE 34.

Weight of 12 inches in length of square steel, from $\frac{1}{4}$ to $3\frac{1}{4}$ inches.

Size.	Weight.	Size.	Weight.	Size.	Weight.
in	lb. oz.	in	lb. oz.	in	lb. oz.
$\frac{1}{4}$	0 $3\frac{1}{8}$	$1\frac{1}{4}$	5 5	$2\frac{1}{4}$	17 $3\frac{1}{2}$
$\frac{3}{8}$	0 $7\frac{3}{4}$	$1\frac{3}{8}$	6 7	$2\frac{3}{8}$	19 3
$\frac{1}{2}$	0 $13\frac{3}{4}$	$1\frac{1}{2}$	7 11	$2\frac{1}{2}$	21 4
$\frac{5}{8}$	1 $5\frac{1}{2}$	$1\frac{5}{8}$	9 0	$2\frac{5}{8}$	23 7
$\frac{3}{4}$	1 $14\frac{3}{4}$	$1\frac{3}{4}$	10 $2\frac{1}{8}$	$2\frac{3}{4}$	25 $11\frac{1}{2}$
$\frac{7}{8}$	2 10	$1\frac{7}{8}$	12 0	$2\frac{7}{8}$	28 2
1	3 $6\frac{1}{8}$	2	13 10	3	30 10
$1\frac{1}{8}$	4 $5\frac{1}{2}$	$2\frac{1}{8}$	15 $5\frac{1}{4}$	$3\frac{1}{8}$	33 $3\frac{1}{2}$

TABLE 35.

Weight of 12 inches in length of flat steel, $\frac{1}{16}$ of an inch thick, and from 1 to $4\frac{1}{4}$ inches broad.

Broad.	Weight.	Broad.	Weight.	Broad.	Weight.
in	lb. oz.	in	lb. oz.	in	lb. oz.
1	0 $10\frac{1}{2}$	$2\frac{1}{8}$	1 $5\frac{3}{4}$	$3\frac{1}{4}$	2 $1\frac{1}{2}$
$1\frac{1}{8}$	0 $11\frac{1}{2}$	$2\frac{1}{4}$	1 7	$3\frac{3}{8}$	2 $2\frac{1}{4}$
$1\frac{1}{4}$	0 $12\frac{3}{4}$	$2\frac{3}{8}$	1 $8\frac{1}{4}$	$3\frac{1}{2}$	2 $3\frac{3}{4}$
$1\frac{3}{8}$	0 14	$2\frac{1}{2}$	1 $9\frac{1}{2}$	$3\frac{5}{8}$	2 5
$1\frac{1}{2}$	0 $15\frac{1}{2}$	$2\frac{3}{4}$	1 $10\frac{3}{4}$	$3\frac{3}{4}$	2 $6\frac{1}{2}$
$1\frac{5}{8}$	1 $0\frac{3}{4}$	$2\frac{3}{4}$	1 12	$3\frac{7}{8}$	2 $7\frac{3}{4}$
$1\frac{3}{4}$	1 2	$2\frac{7}{8}$	1 $13\frac{1}{2}$		
$1\frac{7}{8}$	1 $3\frac{1}{4}$			4	2 9
		3	1 15	$4\frac{1}{8}$	2 $10\frac{1}{4}$
2	1 $4\frac{1}{4}$	$3\frac{1}{8}$	2 0	$4\frac{1}{4}$	2 $11\frac{1}{2}$

TABLE 36.

Weight of 12 inches of flat steel, $\frac{1}{4}$ of an inch thick, and from 1 to $4\frac{1}{4}$ inches broad.

Broad.	Weight.	Broad.	Weight.	Broad.	Weight.
in	lb. oz.	in	lb. oz.	in	lb. oz.
1	0 $13\frac{1}{2}$	$2\frac{1}{8}$	1 13	$3\frac{1}{4}$	2 $12\frac{1}{2}$
$1\frac{1}{8}$	0.15$\frac{1}{4}$	$2\frac{1}{4}$	1 $14\frac{3}{4}$	$3\frac{3}{8}$	2 14
$1\frac{1}{4}$	1 1	$2\frac{3}{8}$	2 $0\frac{1}{2}$	$3\frac{1}{2}$	2 $15\frac{3}{4}$
$1\frac{3}{8}$	1 $2\frac{3}{4}$	$2\frac{1}{2}$	2 $2\frac{1}{4}$	$3\frac{5}{8}$	3 $1\frac{1}{2}$
$1\frac{1}{2}$	1 $4\frac{1}{2}$	$2\frac{5}{8}$	2 4	$3\frac{3}{4}$	3 3
$1\frac{5}{8}$	1 $6\frac{1}{4}$	$2\frac{3}{4}$	2 $5\frac{1}{4}$	$3\frac{7}{8}$	3 $4\frac{3}{4}$
$1\frac{3}{4}$	1 8	$2\frac{7}{8}$	2 $7\frac{1}{4}$		
$1\frac{7}{8}$	1 $9\frac{3}{4}$			4	3 $6\frac{1}{2}$
		3	2 9	$4\frac{1}{8}$	3 $8\frac{1}{4}$
2	1 $11\frac{1}{2}$	$3\frac{1}{4}$	2 $10\frac{3}{4}$	$4\frac{1}{4}$	3 10

TABLE 37.

Weight of 12 inches of flat steel $\frac{1}{16}$ of an inch thick, and from 1 to 4¼ inches broad.

Broad.	Weight.	Broad.	Weight.	Broad.	Weight.
in	lb. oz.	in	lb. oz.	in	lb. oz.
1	1 1	2⅛	2 4½	3¼	3 7½
1⅛	1 3½	2¼	2 6½	3⅜	3 9½
1¼	1 5	2⅜	2 8½	3½	3 11½
1⅜	1 7½	2½	2 10½	3⅝	3 13¾
1½	1 9½	2⅝	2 12¾	3¾	4 0
1⅝	1 11½	2¾	2 15	3⅞	4 2
1¾	1 13½	2 7/16	3 1		
1⅞	1 15¾			4	4 4
		3	3 3	4⅛	4 6
2	2 2	3⅛	3 5	4¼	4 8

TABLE 38.

Weight of 12 inches of flat steel, $\frac{3}{16}$ of an inch thick, and from 1 to 4¼ inches broad.

Broad.	Weight.	Broad.	Weight.	Broad.	Weight.
in	lb. oz.	in	lb. oz.	in	lb. oz.
1	1 4½	2⅛	2 11½	3¼	4 2½
1⅛	1 7	2¼	2 14	3⅜	4 5
1¼	1 9½	2⅜	3 0⅝	3½	4 7½
1⅜	1 12	2½	3 3½	3⅝	4 10
1½	1 14½	2⅝	3 5⅝	3¾	4 12½
1⅝	2 1	2¾	3 8	3⅞	4 15
1¾	2 3⅝	2⅞	3 10½		
				4	5 2
1⅞	2 6½	3	3 13½	4⅛	5 4½
2	2 9	3⅛	3 15⅝	4¼	5 6⅝

TABLE 39.

Weight of 12 inches of flat Steel, $\frac{7}{16}$ of an inch thick, and from 1 to 4¼ inches broad.

Broad.	Weight.	Broad.	Weight.	Broad.	Weight.
in	lb. oz.	in	lb. oz.	in	lb. oz.
1	1 7⅜	2⅛	3 2⅛	3¼	4 13½
1⅛	1 10⅜	2¼	3 5½	3⅜	5 0⅜
1¼	1 13⅜	2⅜	3 8½	3½	5 3½
1⅜	2 0⅜	2½	3 11½	3⅝	5 6⅜
1½	2 3 5/16	2⅝	3 14½	3¾	5 9½
1⅝	2 6⅜	2¾	4 1½	3⅞	5 12⅝
1¾	2 9⅜	2⅞	4 4½		
1⅞	2 12⅜			4	5 15½
		3	4 7½	4⅛	6 2⅝
2	2 15⅜	3⅛	4 10⅜	4¼	6 5½

TABLE 40.

Weight of 12 inches of flat steel, ½ an inch thick, and from 1 to 4¼ inches broad.

Broad.	Weight.	Broad.	Weight.	Broad.	Weight.
in	lb. oz.	in	lb. oz.	in	lb. oz.
1	1 11½	2⅛	3 10	3¼	5 8½
1⅛	1 14⅜	2¼	3 13½	3⅜	5 12
1¼	2 2½	2⅜	4 0½	3½	5 15½
1⅜	2 5½	2½	4 4	3⅝	6 2⅜
1½	2 9	2⅝	4 7⅜	3¾	6 6
1⅝	2 12⅛	2¾	4 11	3⅞	6 9½
1¾	2 15⅜	2⅞	4 14½		
1⅞	3 3			4	6 13
		3	5 2	4⅛	7 0½
2	3 6½	3⅛	5 5½	4¼	7 4

SECTION III.—TABLE 48.

TO FIND THE SOLIDITY AND WEIGHT OF METALLIC SPHERES AND BALLS.

Rule.—Multiply the cube of the axis or diameter of the globe by ·5236, and the product will be the contents in cubic inches. Then multiply cubic inches by the multipliers opposite the metal's name in column 4, Table of Specific Gravities, page 467, and this will give the weight in pounds and decimal parts, which is reduced to ounces and drams.

Example.—Given to find the weight of a wrought iron ball, $3\frac{1}{8}$ inches in diameter.

Here, 3·125 = diameter.

Hence, 3·125 × 3·125 × 3·125 × ·5236 = 15·9790039062500 cubic inches.

Then, 15·9790039062500 × ·277 from the table, is equal to 4·4261840820312500 lb., or 4 pounds $6\frac{3}{4}$ ounces, the weight of the ball.

The short way, $3{\cdot}125^3$ × ·5236 = 15·979 cubic inches × ·277 = 4 pounds $6\frac{3}{4}$ ounces.

SIZES AND WEIGHTS OF CAST IRON, WROUGHT IRON, CAST BRASS, AND CAST LEAD BALLS.

Diam.	Cast iron.	Wrt. iron.	Cast brs.	Cast lead.	Diam.	Cast iron.	Wrt. iron.	Cast brass.	Cast lead.
In.	oz dr	oz dr	oz dr	oz. dr.	In.	lb oz dr	lb oz dr	lb oz dr	lb oz dr
$\frac{1}{8}$	0 4	0 4	0 5	0 7	$1\frac{1}{8}$	0 9 0	0 10 0	0 11 0	0 15 0
$\frac{2}{8}$	0 6	0 6	0 7	0 9	$1\frac{1}{4}$	0 9 12	0 11 0	0 12 3	1 0 8
$\frac{3}{8}$	0 8	0 8	0 9	0 12	$1\frac{3}{8}$	0 10 8	0 12 0	0 13 8	1 2 0
$\frac{4}{8}$	0 11	0 12	0 13	1 2	$1\frac{4}{8}$	0 12 0	0 13 8	0 15 0	1 4 8
$\frac{5}{8}$	0 14	1 0	1 1	1 8	$1\frac{5}{8}$	0 13 8	0 15 0	1 1 0	1 7 0
$\frac{6}{8}$	1 2	1 4	1 6	1 14	$1\frac{6}{8}$	0 15 8	1 1 2	1 2 8	1 9 8
$\frac{7}{8}$	1 5	1 8	1 11	2 4	2	1 1 8	1 2 9	1 4 0	1 12 0
$\frac{8}{8}$	1 11	1 14	2 3	2 14	$2\frac{1}{8}$	1 3 0	1 4 8	1 6 0	1 14 0
1	2 3	2 5	2 11	3 8	$2\frac{1}{4}$	1 5 8	1 6 8	1 8 0	2 0 0
$1\frac{1}{8}$	2 11	2 13	3 8	4 0	$2\frac{3}{8}$	1 7 12	1 8 8	1 10 4	2 2 8
$1\frac{2}{8}$	3 4	3 5	4 0	4 10	$2\frac{1}{2}$	1 10 0	1 10 8	1 12 8	2 5 0
$1\frac{3}{8}$	3 10	3 12	4 8	5 5	$2\frac{5}{8}$	1 11 8	1 12 4	1 14 8	2 7 12
$1\frac{4}{8}$	4 0	4 4	4 14	6 2	$2\frac{6}{8}$	1 13 0	1 14 0	2 1 8	2 10 8
$1\frac{5}{8}$	4 12	5 2	5 7	7 8	$2\frac{7}{8}$	1 14 8	2 0 0	2 4 8	2 13 12
$1\frac{6}{8}$	5 8	6 0	6 9	9 0	3	2 1 0	2 2 0	2 7 0	3 1 0
$1\frac{7}{8}$	6 4	6 14	7 6	10 8	$3\frac{1}{8}$	2 3 0	2 6 8	2 9 4	3 6 8
$1\frac{8}{8}$	7 0	7 12	8 8	12 0	$3\frac{2}{8}$	2 6 0	2 10 0	2 12 8	3 12 0
$1\frac{9}{8}$	8 0	8 14	9 8	13 8	$3\frac{3}{8}$	2 9 0	2 13 8	3 0 4	4 2 0

The proportions are as follow:—Cast iron, 13 lb. 8 oz.; forged iron 14 lb. 8 oz.; cast brass, 15 lb. 11 oz.; cast lead, 21 lb. 4 oz.

Further, 10 and $\frac{1}{19}$ of the weight of any globe or true sphere, added together, is equal the weight of a cube of the same dimensions and material.

Also, 1 and $\frac{3}{11}$ of the weight of any cylinder, added together, is equal the weight of a cube of a similar material and dimensions, nearly.

Example.—Given a ball of cast iron, 12 inches diameter, to find the weight of a cube 12 inches square. Here, in column of table, Cast Iron Balls, we find, opposite 12 inches diameter, 2 cwt. 0 qr. 16 lb, 2 oz. Now, multiply this weight by 1 and $\frac{1}{19}$, and we get 214 lb. 10 oz. Add 214 lb. 10 oz. to 236 lb. 2 oz. gives 450 lb. 12 oz., the weight of a cube of cast iron, 12 inches square.

Again, from a forged iron shaft, 12 inches diameter by 12 inches long, develope the weight of a cube of forged iron; also the weight of a cube of cast iron, 12 inches square. Hence, the weight of a solid cylinder, of 12 inches in length, of forged iron, is equal to 380 lb. 2 oz. Multiply 3, divide 11, gives 103 lb. 10 oz. Add 380 lb. 2 oz. gives 483 lb. 12 oz., the weight required, and which is the true weight of a cubic foot of forged iron, all but 4 ounces.

Case 2.—Deduct $\frac{1}{14}$ from the weight of forged iron, gives the weight of cast iron, very nearly.

What is the weight of a solid cube of cast iron, 12 inches long? Here, 483 lb. 12 oz. ÷ 14 = 34 lb. 1 oz., which deduct from 483 lb. 12 oz., leaves 449 lb. 11., the weight of a cubic foot of cast iron, all but 1 ounces, the true weight being 450 lb. 11 oz.

SECTION III.—TABLE 49.

ND DIMENSIONS OF TIN, AS MANUFACTURED IN ENGLAND.

Length & width	Sheets p. box.	Length & breadth.	Weight per box.
	No.	In.	c. qr. lb.
		16¾ × 12½	1 0 14
		12½	0 3 21
		10	0 3 7
			1 2 14
			1 21
			14

SIZES AND WEIGHTS OF BALLS (continued).

Diam.	Cast iron.				Wrought Iron.				Cast Brass.				Cast Lead.			
in.	cwt.	qr.	lb.	oz.	cwt.	qr.	lb.	oz.	cwt.	qr.	lb.	oz.	cwt.	qr.	lb.	oz.
6⅜	0	1	13	15	0	1	17	0	0	1	21	0	0	2	10	6
6½	0	1	16	6	0	1	19	10	0	1	23	9	0	2	13	12
7	0	1	18	12	0	1	22	4	0	1	26	7	0	2	17	10
7⅛	0	1	21	7	0	1	25	0	0	2	1	6	0	2	21	10
7¼	0	1	23	12	0	1	27	14	0	2	4	7	0	2	25	13
7⅜	0	1	26	13	0	2	2	12	0	2	7	10	0	3	2	2
7½	0	2	1	10	0	2	5	14	0	2	10	15	0	3	6	9
7⅝	0	2	4	9	0	2	9	0	0	2	14	5	0	3	11	3
7¾	0	2	7	10	0	2	12	4	0	2	17	13	0	3	15	15
7⅞	0	2	10	12	0	2	15	9	0	2	21	8	0	3	20	14
8	0	2	14	0	0	2	19	1	0	2	25	4	0	3	25	15
8⅛	0	2	17	5	0	2	22	10	0	3	1	1	1	0	3	4
8¼	0	2	20	12	0	2	26	5	0	3	5	2	1	0	8	8
8⅜	0	2	24	4	0	3	2	2	0	3	9	3	1	0	14	2
8½	0	2	27	15	0	3	6	0	0	3	13	7	1	0	19	13
8⅝	0	3	3	11	0	3	10	1	0	3	17	12	1	0	25	12
8¾	0	3	7	9	0	3	14	4	0	3	22	4	1	1	3	13
8⅞	0	3	11	8	0	3	18	8	0	3	26	14	1	1	10	1
9	0	3	15	10	0	3	22	12	1	0	3	10	1	1	16	8
9⅛	0	3	20	0	0	3	27	6	1	0	8	0	1	1	23	2
9¼	0	3	24	1	1	0	4	0	1	0	13	8	1	2	1	14
9⅜	1	0	0	10	1	0	8	13	1	0	18	12	1	2	8	14
9½	1	0	5	3	1	0	13	11	1	0	24	0	1	2	16	1
9⅝	1	0	9	14	1	0	18	12	1	1	1	7	1	2	23	7
9¾	1	0	14	11	1	0	23	14	1	1	7	1	1	3	3	0
9⅞	1	0	19	9	1	1	1	3	1	1	12	12	1	3	10	11
10	1	0	24	10	1	1	6	10	1	1	18	10	1	3	18	10
10⅛	1	1	1	7	1	1	12	3	1	1	24	11	1	3	26	14
10¼	1	1	7	2	1	1	17	14	1	2	2	14	2	0	7	3
10⅜	1	1	12	10	1	1	23	12	1	2	9	3	2	0	15	12
10½	1	1	18	3	1	2	1	11	1	2	15	10	2	0	24	10
10⅝	1	1	23	15	1	2	7	14	1	2	22	5	2	1	5	8
10¾	1	2	1	12	1	2	16	2	1	3	1	1	2	1	14	11
10⅞	1	2	7	12	1	2	20	9	1	3	8	0	2	1	24	2
11	1	2	13	14	1	2	27	2	1	3	15	3	2	2	5	12
11⅛	1	2	20	3	1	3	5	14	1	3	22	8	2	2	15	9
11¼	1	2	26	9	1	3	12	12	2	0	1	14	2	2	25	10
11⅜	1	3	6	2	1	3	19	12	2	0	9	8	2	3	7	15
11½	1	3	11	14	1	3	27	0	2	0	17	4	2	3	18	8
11⅝	1	3	17	6	2	0	4	6	2	0	25	4	3	0	1	6
11¾	1	3	25	11	2	0	13	13	2	1	5	6	3	0	12	8
11⅞	2	0	4	12	2	0	21	4	2	1	13	12	3	0	23	8
12	2	0	12	2	2	1	1	5	2	1	22	3	3	1	6	15

SIZES AND WEIGHTS OF BALLS (continued).

Diam.	Cast iron.	Wrought iron.	Cast Brass.	Cast Lead.
In.	cwt. qr. lb. oz.	cwt. qr. lb. oz.	cwt. qr. lb. oz.	cwt. qr. lb. oz.
12½	2 0 19 10	2 1 9 4	2 2 2 12	3 1 19 4
12¼	2 0 27 3	2 1 17 8	2 2 11 10	3 2 2 10
12⅜	2 1 6 12	2 1 25 12	2 2 21 0	3 2 14 12
12½	2 1 14 15	2 2 6 5	2 3 1 14	3 2 27 4
12⅝	2 1 22 6	2 2 15 4	2 3 11 4	3 3 11 12
12¾	2 2 2 4	2 2 23 14	2 3 20 14	3 3 24 0
12⅞	2 2 11 4	2 3 4 8	2 3 27 6	4 0 9 8
13	2 2 20 8	2 3 14 1	3 0 12 8	4 0 23 10
13⅛	2 3 1 2	2 3 23 8	3 0 19 12	4 1 9 10
13¼	2 3 10 3	3 0 5 5	3 1 5 6	4 1 23 12
13⅜	2 3 19 2	3 0 15 0	3 1 15 14	4 2 10 0
13½	3 0 0 4	3 0 24 12	3 1 26 5	4 2 24 3
13⅝	3 0 9 12	3 1 7 0	3 2 9 4	4 3 11 0
13¾	3 0 19 4	3 1 17 2	3 2 20 7	4 3 26 1
13⅞	3 1 1 0	3 1 27 10	3 3 8 12	5 0 13 8
14	3 1 11 0	3 2 10 5	3 3 15 5	5 1 1 1
14⅛	3 1 21 8	3 2 21 2	3 3 27 1	5 1 17 0
14¼	3 2 8 7	3 3 4 4	4 0 11 1	5 2 5 3
14⅜	3 2 13 15	3 3 15 8	4 0 23 4	5 2 21 13
14½	3 2 24 10	3 3 27 0	4 1 7 11	5 3 10 7
14⅝	3 3 7 8	4 0 10 9	4 1 20 5	5 3 27 8
14¾	3 3 18 8	4 0 22 7	4 2 5 2	6 0 16 15
14⅞	4 0 1 13	4 1 6 8	4 2 18 3	6 1 6 10
15	4 0 13 3	4 1 18 13	4 3 3 7	6 1 24 8
15⅛	4 0 24 14	4 2 3 5	4 3 18 11	6 2 14 12
15¼	4 1 8 11	4 2 15 15	5 0 2 11	6 3 5 6
15⅜	4 1 20 12	4 3 0 12	5 0 16 12	6 3 24 8
15½	4 2 4 15	4 3 13 15	5 1 2 13	7 0 15 7
15⅝	4 2 17 5	4 3 27 4	5 1 17 4	7 1 6 14
15¾	4 3 1 15	5 0 12 12	5 2 3 14	7 1 26 12
15⅞	4 3 15 6	5 0 26 0	5 2 18 14	7 2 19 0
16	4 3 27 12	5 1 12 8	5 3 5 14	7 3 11 5
16⅛	5 0 13 15	5 1 26 11	5 3 21 3	8 0 4 1
16¼	5 0 26 7	5 2 13 1	6 0 8 12	8 0 25 11
16⅜	5 1 12 2	5 2 27 14	6 0 24 0	8 1 27 0
16½	5 1 25 14	5 3 14 9	6 1 12 11	8 2 12 5
16⅝	5 2 12 0	6 0 1 3	6 2 1 2	8 3 6 4
16¾	5 2 26 1	6 0 17 0	6 2 17 9	9 0 0 11
16⅞	5 3 12 0	6 1 4 8	6 3 6 6	9 0 23 10
17	5 3 27 7	6 1 20 4	6 3 23 7	9 1 18 11
17⅛	6 0 14 5	6 2 8 5	7 0 12 12	9 2 14 2
17¼	6 1 1 7	6 2 24 8	7 1 2 5	9 3 9 15
17⅜	6 1 16 12	6 3 13 0	7 1 20 3	10 0 6 1

WEIGHT OF 12 INCHES IN LENGTH OF FLAT CAST IRON, INCH TO TWO INCHES THICK, AND

Broad.	¼ thick.	⅜ thick.	½ thick.	⅝ thick.	¾ thick.	⅞ thick.	1 inch thick.
In.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.
2	1 9	2 5½	3 2	3 14½	4 11	5 7½	6 4
2¼	1 10½	2 7½	3 5	4 2½	5 0	5 13	6 10½
2½	1 12	2 10	3 8	4 6½	5 4½	6 2½	7 0½
2⅝	1 13½	2 12½	3 11½	4 10	5 9½	6 8	7 7
2¾	1 15½	2 15	3 14½	4 14	5 13½	6 13½	7 13
2⅞	2 1	3 1½	4 1½	5 2	6 2½	7 2½	8 3½
2⅞	2 2½	3 3½	4 4½	5 6	6 7	7 8	8 9½
2¾	2 3½	3 5½	4 7½	5 9½	6 11½	7 13½	9 0
3	2 5½	3 8	4 11	5 13½	7 0½	8 3½	9 6
3⅛	2 7	3 10½	4 14	6 1½	7 5½	8 9	9 12½
3¼	2 8½	3 13	5 1	6 5½	7 10	8 14½	10 2½
3⅜	2 10½	3 15½	5 4½	6 9½	7 14½	9 4	10 8½
3½	2 12	4 2	5 7½	6 13½	8 3½	9 9	10 15
3⅝	2 13½	4 4½	5 10½	7 1½	8 8	9 14½	11 5½
3⅝	2 15	4 6½	5 13½	7 5	8 12½	10 4	11 11½
3⅞	3 0½	4 8½	6 1	7 9	9 1½	10 9	12 2
4	3 2	4 11	6 4	7 13	9 6	10 15	12 8
4¼	3 3½	4 13½	6 7½	8 1	9 10½	11 4½	12 14½
4¼	3 5	4 15½	6 10½	8 5	9 15½	11 10	13 4½
4⅜	3 6½	5 2	6 13½	8 8½	10 4	11 15½	13 10½
4½	3 8	5 4½	7 0½	8 12½	10 8½	12 5	14 1
4⅝	3 9½	5 6½	7 4	9 0½	10 13½	12 10½	14 7½
4⅝	3 11½	5 9	7 7	9 4½	11 2	12 15½	14 13½
4⅞	3 13	5 11½	7 10	9 8½	11 6½	13 5½	15 4½
5	3 14½	5 14	7 13	9 12	11 11½	13 11	15 10
5¼	4 0½	6 0½	8 0½	10 0	12 0½	14 0½	16 0½
5¼	4 2	6 2½	8 3½	10 4	12 5	14 5½	16 6½
5⅜	4 3½	6 4½	8 6½	10 8	12 9½	14 11	16 12½
5½	4 5	6 7	8 9½	10 12	12 14½	15 0½	17 3
5⅝	4 6½	6 9½	8 12½	11 0	13 3	15 6	17 9½
5⅝	4 8	6 12	9 0	11 4	13 7½	15 11½	17 15½
5⅞	4 9½	6 14½	9 3	11 7½	13 12½	16 1	18 6
6	4 11	7 0½	9 6	11 11½	14 1	16 6½	18 12

—TABLE 32.

ADVANCING BY AN EIGHTH FROM A QUARTER OF AN
FROM TWO TO SIX INCHES BROAD.

1⅛ thick	1¼ thick	1⅜ thick	1½ thick	1⅝ thick	1¾ thick	1⅞ thick	2 inches thick.
lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.	lb. oz.
7 0½	7 13	8 9½	9 6	10 6½	10 15	11 11½	12 8
7 7½	8 5	9 2	9 15½	10 14½	11 10	12 7½	13 4½
7 14½	8 12½	9 10½	10 9	11 7	12 5	13 3	14 1
8 5½	9 4½	10 3	11 2	12 1	13 0	13 14½	14 13½
8 12½	9 12	10 11½	11 11	12 11	13 11	14 10½	15 10
9 3½	10 4	11 4½	12 4½	13 5	14 5½	15 6	16 6½
9 10½	10 12	11 13	12 14	13 15	15 0	16 1½	17 3
10 1½	11 3½	12 5½	13 7½	14 9½	15 11½	16 13	18 0
10 8½	11 11	12 14	14 1	15 4	16 7	17 9½	18 12
10 15½	12 3	13 6½	14 10½	15 14	17 2	18 5	19 8½
11 6½	12 11	13 15½	15 4	16 8½	17 12½	19 0½	20 5
11 13½	13 3	14 8½	15 13½	17 2½	18 8	19 12½	21 1½
12 5	13 11	15 1	16 7	17 12½	19 2	20 8	21 14
12 12	14 2½	15 9½	17 0	18 6½	19 13	21 3½	22 10½
13 2½	14 10	16 1½	17 9	19 0½	20 8	21 15½	23 7
13 10	15 2	16 10½	18 2½	19 10½	21 3	22 11½	24 3½
14 1	15 10	17 3	18 12	20 5	21 14	23 7	25 0
14 8½	16 2	17 11½	19 5½	20 15½	22 9	24 3	25 12½
14 15½	16 10	18 4½	19 15	21 9½	23 4	24 14½	26 9
15 6½	17 1½	18 12½	20 8	22 3½	23 15	25 10½	27 5½
15 13	17 9	19 5	21 1	22 13½	24 10	26 6	28 2
16 4½	18 1	19 13½	21 10½	23 7½	25 5	27 5½	28 14½
16 11½	18 9	20 6½	22 4	24 1½	25 15½	27 13½	29 11
17 2½	19 0	20 15	22 13½	24 11½	26 11	28 9½	30 7½
17 9	19 8	21 7½	23 7	25 6½	27 6	29 5	31 4
18 0½	20 0	22 0½	24 2½	26 0½	28 0½	30 0½	32 0½
18 7½	20 8	22 9	24 10	26 10½	28 11	30 12	32 13
18 14½	21 0	23 1½	25 3½	27 5½	29 6	31 7½	33 9½
19 5½	21 8	23 10½	25 13	27 15	30 1	32 3½	34 6
19 12½	22 0	24 3	26 6½	28 9	30 12	32 15	35 2½
20 4	22 8	24 11½	26 15	29 3½	31 7½	33 11½	35 15
20 10½	23 0	25 4	27 8½	29 13	32 2	34 7	36 11½
21 1½	23 7	25 12½	28 2	30 7½	32 13	35 2½	37 8

TABLE 33.

Weight of 12 inches in length of round steel, from $\frac{1}{4}$ of an inch up to $3\frac{1}{4}$ inches in diameter.

Size.	Weight.	Size.	Weight.	Size.	Weight.
in	lb. oz.	in	lb. oz.	in	lb. oz.
$\frac{1}{4}$	0 $2\frac{3}{4}$	$1\frac{1}{4}$	4 $7\frac{1}{2}$	$2\frac{1}{4}$	13 15
$\frac{3}{8}$	0 6	$1\frac{3}{8}$	5 1	$2\frac{3}{8}$	15 8
$\frac{1}{2}$	0 $10\frac{1}{2}$	$1\frac{1}{2}$	6 0	$2\frac{1}{2}$	17 3
$\frac{5}{8}$	1 $0\frac{1}{4}$	$1\frac{5}{8}$	7 1	$2\frac{5}{8}$	18 15
$\frac{3}{4}$	1 8	$1\frac{3}{4}$	8 $3\frac{1}{2}$	$2\frac{3}{4}$	20 $12\frac{1}{2}$
$\frac{7}{8}$	2 1	$1\frac{7}{8}$	9 $6\frac{1}{4}$	$2\frac{7}{8}$	22 12
1	2 11	2	10 $11\frac{1}{4}$	3	24 12
$1\frac{1}{8}$	3 6	$2\frac{1}{8}$	12 $6\frac{1}{4}$	$3\frac{1}{8}$	26 $13\frac{1}{4}$

TABLE 34.

Weight of 12 inches in length of square steel, from $\frac{1}{4}$ to $3\frac{1}{8}$ inches.

Size.	Weight.	Size.	Weight.	Size.	Weight.
in	lb. oz.	in	lb. oz.	in	lb. oz.
$\frac{1}{4}$	0 $3\frac{1}{8}$	$1\frac{1}{4}$	5 5	$2\frac{1}{4}$	17 $3\frac{1}{2}$
$\frac{3}{8}$	0 $7\frac{3}{8}$	$1\frac{3}{8}$	6 7	$2\frac{3}{8}$	19 3
$\frac{1}{2}$	0 $13\frac{1}{2}$	$1\frac{1}{2}$	7 11	$2\frac{1}{2}$	21 4
$\frac{5}{8}$	1 $5\frac{1}{8}$	$1\frac{5}{8}$	9 0	$2\frac{5}{8}$	23 7
$\frac{3}{4}$	1 $14\frac{1}{2}$	$1\frac{3}{4}$	10 $2\frac{1}{4}$	$2\frac{3}{4}$	25 $11\frac{1}{2}$
$\frac{7}{8}$	2 10	$1\frac{7}{8}$	12 0	$2\frac{7}{8}$	28 2
1	3 $6\frac{1}{4}$	2	13 10	3	30 10
$1\frac{1}{8}$	4 $5\frac{1}{8}$	$2\frac{1}{8}$	15 $5\frac{1}{4}$	$3\frac{1}{8}$	33 $3\frac{1}{2}$

TABLE 35.

Weight of 12 inches in length of flat steel, $\frac{1}{16}$ of an inch thick, and from 1 to $4\frac{1}{4}$ inches broad.

Broad.	Weight.	Broad.	Weight.	Broad.	Weight.
in	lb. oz.	in	lb. oz.	in	lb. oz.
1	0 $10\frac{1}{2}$	$2\frac{1}{8}$	1 $5\frac{3}{4}$	$3\frac{1}{4}$	2 $1\frac{1}{2}$
$1\frac{1}{8}$	0 $11\frac{1}{2}$	$2\frac{1}{4}$	1 7	$3\frac{3}{8}$	2 $2\frac{1}{4}$
$1\frac{1}{4}$	0 $12\frac{1}{2}$	$2\frac{3}{8}$	1 $8\frac{1}{4}$	$3\frac{1}{2}$	2 $3\frac{3}{4}$
$1\frac{3}{8}$	0 14	$2\frac{1}{2}$	1 $9\frac{1}{2}$	$3\frac{5}{8}$	2 5
$1\frac{1}{2}$	0 $15\frac{1}{2}$	$2\frac{5}{8}$	1 $10\frac{3}{4}$	$3\frac{3}{4}$	2 $6\frac{1}{4}$
$1\frac{5}{8}$	1 $0\frac{3}{4}$	$2\frac{3}{4}$	1 12	$3\frac{7}{8}$	2 $7\frac{1}{2}$
$1\frac{3}{4}$	1 2	$2\frac{7}{8}$	1 $13\frac{1}{4}$		
$1\frac{7}{8}$	1 $3\frac{1}{4}$			4	2 9
		3	1 15	$4\frac{1}{4}$	2 $10\frac{1}{2}$
2	1 $4\frac{1}{4}$	$3\frac{1}{8}$	2 0	$4\frac{1}{4}$	2 $11\frac{1}{2}$

TABLE 36.

Weight of 12 inches of flat steel, $\frac{1}{4}$ of an inch thick, and from 1 to $4\frac{1}{4}$ inches broad.

Broad.	Weight.	Broad.	Weight.	Broad.	Weight.
in	lb. oz.	in	lb. oz.	in	lb. oz.
1	0 $13\frac{1}{2}$	$2\frac{1}{4}$	1 13	$3\frac{1}{4}$	2 $12\frac{1}{2}$
$1\frac{1}{8}$	0.15$\frac{1}{2}$	$2\frac{1}{2}$	1 $14\frac{3}{4}$	$3\frac{3}{4}$	2 14
$1\frac{1}{4}$	1 1	$2\frac{3}{4}$	2 $0\frac{1}{2}$	$3\frac{1}{2}$	2 $15\frac{3}{4}$
$1\frac{3}{8}$	1 $2\frac{3}{4}$	$2\frac{1}{4}$	2 $2\frac{1}{4}$	$3\frac{3}{4}$	3 $1\frac{1}{2}$
$1\frac{1}{2}$	1 $4\frac{1}{2}$	$2\frac{3}{4}$	2 4	$3\frac{3}{4}$	3 3
$1\frac{5}{8}$	1 $6\frac{1}{4}$	$2\frac{1}{2}$	2 $5\frac{1}{4}$	$3\frac{7}{8}$	3 $4\frac{3}{4}$
$1\frac{3}{4}$	1 8	$2\frac{7}{8}$	2 $7\frac{1}{4}$		
$1\frac{7}{8}$	1 $9\frac{3}{4}$			4	3 $6\frac{1}{4}$
		3	2 9	$4\frac{1}{4}$	3 $8\frac{1}{4}$
2	1 $11\frac{1}{4}$	$3\frac{1}{4}$	2 $10\frac{3}{4}$	$4\frac{1}{4}$	3 10

TABLE 37.

Weight of 12 inches of flat steel $\frac{1}{16}$ of an inch thick, and from 1 to 4¼ inches broad.

Broad.	Weight.		Broad.	Weight.		Broad.	Weight.	
in	lb.	oz.	in	lb.	oz.	in	lb.	oz.
1	1	1	2⅛	2	4¼	3¼	3	7¼
1⅛	1	3¼	2¼	2	6½	3⅜	3	9½
1¼	1	5	2⅜	2	8¾	3½	3	11¾
1⅜	1	7¼	2½	2	10½	3⅝	3	13¾
1½	1	9½	2⅝	2	12¾	3¾	4	0
1⅝	1	11¾	2¾	2	15	3⅞	4	2
1¾	1	13½	2⅞	3	1			
1⅞	1	15¾				4	4	4
			3	3	3	4⅛	4	6
2	2	2	3⅛	3	5	4¼	4	8

TABLE 38.

Weight of 12 inches of flat steel, $\frac{3}{16}$ of an inch thick, and from 1 to 4¼ inches broad.

Broad.	Weight.		Broad.	Weight.		Broad.	Weight.	
in	lb.	oz.	in	lb.	oz.	in	lb.	oz.
1	1	4½	2⅛	2	11½	3¼	4	2½
1⅛	1	7	2¼	2	14	3⅜	4	5
1¼	1	9½	2⅜	3	0½	3½	4	7½
1⅜	1	12	2½	3	3½	3⅝	4	10
1½	2	1	2⅝	3	5½	3¾	4	12½
1⅝	2	3½	2¾	3	8	3⅞	4	15
1¾	2	6	2⅞	3	10½			
1⅞	2	8½	3			4	5	2
2	2	11	3⅛	3	13½	4⅛	5	4½
			3¼	3	15¾	4¼	5	7

TABLE 39.

Weight of 12 inches of flat Steel, $\frac{7}{16}$ of an inch thick, and from 1 to 4¼ inches broad.

Broad.	Weight.		Broad.	Weight.		Broad.	Weight.	
in	lb.	oz.	in	lb.	oz.	in	lb.	oz.
1	1	7½	2⅛	3	2½	3¼	4	13½
1⅛	1	10½	2¼	3	5½	3⅜	5	0½
1¼	1	13½	2⅜	3	8½	3½	5	3½
1⅜	2	0½	2½	3	11½	3⅝	5	6½
1½	2	3½	2⅝	3	14½	3¾	5	9½
1⅝	2	6½	2¾	4	1½	3⅞	5	12½
1¾	2	9½	2⅞	4	4½			
1⅞	2	12½				4	5	15½
			3	4	7½	4⅛	6	2½
2	2	15½	3⅛	4	10½	4¼	6	5½

TABLE 40.

Weight of 12 inches of flat steel, ¼ an inch thick, and from 1 to 4¼ inches broad.

Broad.	Weight.		Broad.	Weight.		Broad.	Weight.	
in	lb.	oz.	in	lb.	oz.	in	lb.	oz.
1	1	11½	2⅛	3	10	3¼	5	8½
1⅛	1	14½	2¼	3	13½	3⅜	5	12
1¼	2	2½	2⅜	4	0½	3½	5	15½
1⅜	2	5½	2½	4	4	3⅝	6	2½
1½	2	9	2⅝	4	7½	3¾	6	6
1⅝	2	12½	2¾	4	11	3⅞	6	9½
1¾	2	15½	2⅞	4	14½			
1⅞	3	3				4	6	13
			3	5	2	4⅛	7	0½
2	3	6½	3⅛	5	5½	4¼	7	4

SECTION III.—TABLE 54.

WEIGHT OF NINE FEET LENGTHS OF CAST IRON PIPES,

Of various dimensions, with Flanges.

Diam. of bore.	Thickness of metal in barrel.	Diam. of flange.	Thickness of flange	Diam and No. of Holes in flange.		Whole Weight in	Weight of the pipes when divided into feet lengths.											
							1 foot.				2 feet.				3 feet.				4 feet.			
In.	in.	in.	in.	in.	No.	cwt.	qr.	lb.	cwt.	qr.	lb.	oz.	cwt.	qr.	lb.	oz.	cwt.	qr.	lb.	oz.	cwt.	qr.	lb.	oz.
2		6½		¾	4	0	3	0	0	0	9	5½	0	0	18	11	0	1	0	0½	0	1	9	6
3		7½		¾	4	1	0	3	0	0	12	12½	0	0	25	9	0	1	10	5½	0	1	23	2
4		9⅛		¾	4	1	3	5	0	0	22	5½	0	1	16	10½	0	2	10	15¾	0	3	5	5
5		10⅛		¾	4	2	1	12	0	1	1	5½	0	2	2	10½	0	3	3	15¾	0	4	5	5
6		12		¾	4	3	2	1	0	1	15	10¾	0	3	3	5½	1	0	19	0½	1	2	6	11
7		14	1	⅞	6	3	3	17	0	1	20	9	0	3	13	2	1	1	5	11	1	2	26	4
8		15	1	1	6	5	2	9	0	2	13	7½	1	0	26	14½	1	3	12	5¾	2	1	25	12½
9		16½	1 1/16	1	6	6	1	12	0	2	23	1¾	1	1	18	3½	2	0	13	5½	2	3	8	7
10		17½	1⅛	1	6	7	0	0	0	3	3	1¾	1	2	6	3½	2	1	9	5½	3	0	12	7
11		19	1 3/16	1	6	8	3	23	0	3	27	7½	1	3	26	14½	2	3	26	5⅝	3	3	25	12½
12		20	1¼	1⅛	6	9	3	5	1	0	9	14¼	2	0	19	12½	3	1	1	10¾	4	1	11	9
13		21	1¼	1⅛	6	10	2	0	1	0	18	10¾	2	1	9	5½	3	2	0	0½	4	2	18	11
14		22	1¼	1⅛	8	11	0	26	1	0	27	12⅝	2	1	27	9	3	2	27	5½	4	3	27	2
15		23	1¼	1⅛	8	12	0	24	1	1	12	0	2	2	24	0	4	0	8	0	5	1	20	0
16		24½	1 3/16	1¼	8	12	3	8	1	1	19	9	2	3	11	2	4	1	2	11	5	1	22	4
17		25½	1 3/16	1¼	8	13	2	17	1	2	1	14¾	3	0	3	12½	4	2	5	10¾	6	0	7	9
18	1	26½	1⅝	1¼	8	16	1	15	1	3	7	14½	3	2	15	12½	5	1	23	10¾	7	1	3	9
19	1	28	1⅜	1⅜	8	17	2	13	1	3	23	3½	3	3	18	7	5	3	13	10½	7	3	8	14
20	1	29	1⅜	1⅜	8	18	0	25	2	0	2	12½	4	0	5	9	6	0	8	4½	8	0	11	2

WEIGHT OF CAST IRON PIPES, &c. (continued).

Diameter	Thickness of metal in barrel.	Continuation of the weight of pipes into feet lengths.—(For diameter of flange, &c., see preceding page.)															
		5 feet.				6 feet.				7 feet.				8 feet.				9 ft.—proof wt.			
Inches.	Inches.	cwt.	qr.	lb.	oz.	cwt.	qr.	lb.	oz.	cwt.	qr.	lb.	oz,	cwt.	qr.	lb.	oz.	cwt.	qr.	lb.	oz.
2	⅜	0	1	18	11½	0	2	0	1	0	2	9	6½	0	2	18	12	0	3	0	1½
3	25/64	0	2	7	14½	0	2	20	11	0	3	5	7½	0	3	18	4	1	0	3	0½
4	½	0	3	27	10½	1	0	21	15½	1	1	16	4½	1	2	10	10	1	3	4	15½
5	½	1	1	6	10½	1	2	7	15½	1	3	9	4½	2	0	10	10	2	1	11	15½
6	½	1	3	22	5¾	2	1	10	0½	2	2	25	11½	3	0	13	6	3	2	1	0¾
7	½	2	0	18	13	2	2	11	6	3	0	3	15	3	1	24	8	3	3	17	1
8	½	3	0	11	3½	3	2	24	10½	4	1	10	1½	4	3	24	9	5	2	9	0½
9	½	3	2	3	8¾	4	0	26	10½	4	3	21	12½	5	2	16	14	6	1	11	15¾
10	½	3	3	15	8¾	4	2	18	10½	5	1	21	12½	6	0	24	14	6	3	27	15¾
11	7/16	4	3	25	3½	5	3	24	10¾	6	3	24	1½	7	3	23	9	8	3	23	0½
12	7/16	5	1	21	7½	6	2	3	5½	7	2	18	2½	8	2	23	2	9	3	5	0¼
13	7/16	5	3	9	5¾	7	0	0	0½	8	0	18	11½	9	1	9	6	10	2	0	0¾
14	7/16	6	0	26	14½	7	1	26	11	8	2	26	7½	9	3	26	4	11	0	26	0½
15	7/16	6	3	4	0	8	0	16	0	9	2	0	0	10	3	12	0	12	0	24	0
16	7/16	7	0	13	13	8	2	5	6	9	3	24	15	11	1	16	8	12	3	8	1
17	7/16	7	2	9	7½	9	0	11	5½	10	2	12	3¾	12	0	15	2	13	2	17	0½
18	1	9	0	11	7½	10	3	19	5½	12	2	27	3¾	14	2	7	2	16	1	15	0½
19	1	9	3	4	1½	11	2	27	5	13	2	22	8½	15	2	17	12	17	2	12	15½
20	1	10	0	13	14½	12	0	16	11	14	0	19	7½	16	0	22	4	18	0	25	0½

SECTION III.—TABLE 55.

SOCKET PIPES USED IN DARLINGTON WATER WORKS,

Being 9 feet full length, including the socket.

Diameter of bore.	Thickness of pipe in barrel.	Full length of pipe.	Length of Socket.	Mean weight of pipes.	Weight of 1 foot of pipe.	2 feet.	3 feet.	4 feet.
in.	in.	Feet	in.	cwt. qr. lb. oz.	cwt. qr. lb. oz.	cwt. qr. lb. oz.	cwt. qr. lb. oz.	cwt. qr. lb. oz.
28	1	9	5	23 2 20 0	2 2 14 10¾	5 1 1 5½	7 3 16 0½	10 2 2 11
26	1		5	22 0 5 0	2 1 22 5½	4 3 16 11	7 1 11 0½	9 3 5 6
24	1		5	20 1 18 0	2 1 2 0	4 2 4 0	6 3 6 0	9 0 8 0
21	¾		4½	15 2 14 0	1 2 26 7½	3 1 24 14½	5 0 23 5¾	6 3 21 13
20	¾		4½	14 3 18 0	1 2 17 9	3 1 7 2	4 3 24 11	6 2 14 4
18	¾		4½	13 1 26 0	1 1 27 12¾	2 3 27 9	4 1 27 5½	5 3 27 2
16	¾		4½	10 0 22 0	1 0 14 14¼	2 1 1 12¼	3 1 16 10¾	4 2 3 9
14	¾		4½	8 3 26 0	0 3 27 12¾	1 3 27 9	2 3 27 5½	3 3 27 2
12	¾		4	6 1 18 0	0 2 23 12¾	1 1 19 9	2 0 15 5½	2 3 11 2
10	⅝		4	4 3 8 0	0 2 4 0	1 0 8 0	1 2 12 0	2 0 16 0
9	⅝		4	4 1 13 0	0 1 26 5½	0 3 24 11	1 1 23 0½	1 3 21 6
8	½		4	3 1 22 0	0 1 14 14¼	0 3 1 12¼	1 0 16 10¾	1 2 3 9
7	½		4	3 0 4 0	0 1 9 12¼	0 2 19 9	1 0 1 5½	1 1 11 2
6	½		3	2 2 15 0	0 1 4 12¼	0 2 9 9	0 3 14 5½	1 0 19 2
5	½		3	2 0 24 0	0 0 27 9	0 1 27 2	0 2 26 11	0 3 26 4
4	½		3	1 1 10 0	0 0 16 10¾	0 1 5 5½	0 1 22 0½	0 2 10 11
3	½		3	1 0 4 0	0 0 12 14¼	0 0 25 12¾	0 1 10 10¾	0 1 23 9
2	½		3	0 2 26 0	0 0 9 1¾	0 0 18 3½	0 0 27 5½	0 1 8 7

Permitted deviation from mean weight 1½ per cent.

Permitted deviation from mean weight, 2 per cent.

WEIGHT OF SOCKET PIPES USED IN DARLINGTON WATER WORKS (continued).

Diameter of bore.	Thickness of pipe in barrel.	Full length of Pipe.	Length of socket.	5 feet.	6 feet.	7 feet.	8 feet.	9 feet, proof with mean weight in page 534.
In.	In.	Feet	In.	cwt. qr. lb. oz.	cwt. qr. lb. oz.	cwt. qr. lb. oz.	cwt. qr. lb. oz.	cwt. qr. lb. oz.
28	1	9	5	13 0 17 5¾	15 3 4 0¼	18 1 18 11¼	21 0 5 6	23 2 20 0¾
26	1		5	12 0 27 11¼	14 2 22 1	17 0 16 6¼	19 2 10 12	22 0 5 1¼
24	1		5	10 1 10 0	13 2 12 0	15 3 14 0	18 0 16 0	20 1 18 0
21			4¾	8 2 20 4¼	10 1 18 11¼	12 0 17 2¾	13 3 15 10	15 2 14 1¼
20			4¾	8 1 3 13	9 3 21 6	11 2 10 15	13 1 0 8	14 3 18 1
18			4¼	7 1 26 14¾	8 3 26 11	10 1 26 7¼	11 3 26 4	13 1 26 0¼
16			4¼	5 2 18 7¼	6 3 5 5¼	7 3 20 3¾	9 0 7 2	10 0 22 0¼
14			4¼	4 3 26 14¼	5 3 26 11	6 3 26 7¼	7 3 26 4	8 3 26 0¼
12			4	3 2 6 14¼	4 1 2 11	4 3 26 7¼	5 2 22 4	6 1 18 0¼
10			4	2 2 20 0	3 0 24 0	3 3 0 0	4 1 4 0	4 3 8 0
9			4	2 1 19 11¼	3 3 18 1	3 1 16 6¼	3 3 10 12	4 1 13 1¼
8			4	1 3 18 7¼	2 1 5 5¼	2 2 20 3¾	3 0 7 2	3 1 22 0¼
7			4	1 2 20 14¼	2 0 2 11	2 1 12 7¼	2 2 22 4	3 0 4 0¼
6			3¾	1 1 20 14¼	1 3 0 11	2 0 5 7¼	2 1 10 4	2 2 15 0¼
5			3¾	1 0 25 13	1 1 25 6	1 2 24 15	1 3 24 8	2 0 24 1
4			3	0 2 27 5¾	0 3 16 0¼	1 0 4 11¼	1 0 21 6	1 1 10 0¾
3			3	0 2 8 7¼	0 2 21 5¼	0 3 6 3¾	0 3 19 2	1 0 4 0¼
2			3	0 1 17 8¾	0 1 26 10¼	0 2 7 12¼	0 2 16 14	0 2 25 15¾

Permitted deviation from mean weight, 2 per cent.

Permitted deviation from mean weight, 1½ per cent.

SECTION III.—TABLE 56.

CONTAINING SIZES AND WEIGHTS OF SOCKET OR FAUCET PIPES, WITH BELTS,

Being 9 feet, exclusive of the socket, as used by the Nottingham Water Company, in the year 1849, under the superintendance of T. Hawksley, Esq., C.E., and engineer to the said company.

Internal diam. pipe.	No. of belts in each pipe.	Thickness of metal in dec. parts of an inch.	Thickness in lineal measure.	Mean weight of each pipe.	Permitted devtn. from prescribed mn. weight.	Length of pipe when in work.	Length of socket in each pipe.	Weight of 1 foot of pipe.	2 feet.	3 feet.
in.	belts.	in.	pt. of in.	cwt. qr. lb.	lb.	feet.	in.	c. qr. lb. oz.	c. qr. lb. oz.	c. qr. lb. oz.
1½	1	·288	5/16	0 1 0	1½	4½	3	0 0 5 14½	0 0 11 12½	0 0 17 10¾
2	2	·3	5/16 scant.	0 1 21	2	6	3	0 0 7 13½	0 0 15 11	0 0 23 7½
2½	2	·313	5/16	0 2 5	3½	6	3	0 0 9 12½	0 0 19 8½	0 1 1 4¾
3	3	·325	5/16 stiff.	0 3 24	3	9	3	0 0 11 11	0 0 23 6	0 1 7 1
4	3	·35	11/32	1 1 12	4	9	3	0 0 16 7	0 1 4 14	0 1 21 5
5	3	·375	3/8	1 3 6	5	9	3½	0 0 21 11¾	0 1 15 7½	0 2 9 3¼
6	3	·4	13/32	2 1 4	6	9	3½	0 0 27 9	0 1 27 2	0 2 26 11
7	1	·425	7/16 scant.	2 3 8	7	9	4	0 1 5 13¾	0 2 11 11½	0 3 17 9¼
8	1	·45	15/32 scant.	3 1 15	8	9	4	0 1 12 10	0 2 25 4	1 0 9 14
9	1	·475	15/32 stiff.	4 0 2	9	9	4	0 1 20 3½	0 3 12 7	1 1 4 10½
10	1	·5	½	4 2 21	10	9	4	0 2 0 4	1 0 0 8	1 2 0 12
11	1	·525	17/32 scant.	5 1 17	11	9	4	0 2 8 13¼	1 0 17 10½	1 2 26 7¾
12	1	·55	9/16 scant.	6 0 18	12	9	4	0 2 17 14¾	1 1 7 13¼	1 3 25 12½

belts underskt.

SIZES AND WEIGHTS OF SOCKET OR FAUCET PIPES (continued).

4 feet.				5 feet.				6 feet.				7 feet.				8 feet.				9 feet.				Full length of pipe from foundry, including socket		Proof column—shewing the near approximation to Mr. Hawksley's weights, with the socket added.			
c.	qr.	lb.	oz.	c.	qr.	lb.	oz.	c.	qr.	lb.	oz.	c.	qr.	lb.	oz.	c.	qr.	lb.	oz.	c.	qr.	lb.	oz.	ft.	in.	cwt.	qr.	lb.	oz.
0	0	23	9	0	1	1	7¼	0	1	7	5½	0	1	13	3¾	0	1	19	2	0	1	25	0¼	4	9	0	0	27	15¼
0	1	3	6	0	1	11	3½	0	1	19	1	0	1	26	14½	0	2	6	12	0	2	14	9½	6	3	0	1	21	0½
0	1	11	1	0	1	20	13½	0	2	2	9¼	0	2	12	5¾	0	2	22	2	0	3	3	14¼	6	3	0	2	5	0¾
0	1	18	12	0	2	2	7	0	2	14	2	0	2	25	13	0	3	9	8	0	3	21	3	9	3	0	3	24	1¾
0	2	9	12	0	2	26	3	0	3	14	10	1	0	8	1	1	0	19	8	1	1	7	15	9	3	1	1	12	0¾
0	3	2	15	0	3	24	10¾	1	0	18	6½	1	1	12	2¼	1	2	5	14	1	2	27	9¾	9	3¼	1	3	5	15½
0	3	26	4	1	0	25	13	1	1	25	6	1	2	24	13	1	3	24	8	2	0	24	1	9	3¼	2	1	4	1
1	0	23	7	1	2	1	4¾	1	3	7	2¼	2	0	13	0¼	2	1	18	14	2	2	24	11¾	9	4	2	3	8	0¼
1	1	22	8	1	3	7	2	2	0	19	12	2	2	4	6	2	3	17	0	3	1	1	10	9	4	3	1	15	1½
1	2	24	14	2	0	17	1½	2	2	9	5	3	0	1	8¾	3	1	21	12	3	3	13	15½	9	4	4	0	2	0¾
2	0	1	0	2	2	1	4	3	0	1	8	3	2	1	12	4	0	2	0	4	2	2	4	9	4	4	2	21	0
2	1	7	5	2	3	16	2½	3	1	24	15¼	4	0	5	12¾	4	2	14	10	5	0	23	7½	9	4	5	1	17	0¾
2	2	15	11	3	1	5	9¾	3	3	23	8¼	4	2	13	7½	5	1	3	6	5	3	21	4¾	9	4	6	0	17	15½

For diameter, number of belts, thickness of metal, and the measure, see the preceding page.

Note.—These pipes are all calculated into 9 feet lengths when divided from their mean weights, and the lengths given in Table 56 are brought forward. The length of the socket is added in Column 7, and in Column 8 you have the near approximation to Mr. Hawksley's mean weights; the utmost we vary being 1¾ ounces

REMARKS ON SECTION III.

THE Table of Flat Hammered Iron will be of great service to Forgemen, and can be made to suit all breadths of iron. By referring to the proper column for thickness, you can get any weight for any breadth, either broader, or narrower, than the table.

APPLICATION.—Suppose you want the weight of one foot of flat forged iron, 1⅛ of an inch broad, by ¼ an inch thick; now, 1⅛ of an inch is ¼ of 6½ inches, and by dividing the weight given opposite, 6½ inches broad by 4, you obtain the weight, namely, 10 lb. 15 oz. ÷ 4 = 2 lb. 11½ oz. = the weight of one foot of iron of the above dimensions.

Case 2.—Suppose you want the weight of a bar of forged iron, one foot long, by three inches broad, by 1⅛ of an inch thick. Here, 3 inches is half the breadth of 6 inches; and by referring to column 1⅛ of an inch thick, you find opposite 6 inches, 1 qr. 4 lbs. 12 oz. Hence, 32 lbs. 12 oz. ÷ 2 = 16 lb. 6 oz., the weight of one foot of the above bar.

Table of Boiler Plate Slabs.—If any size be wanted above ⅛ of an inch thick, you must add the proper columns of thickness together; if you want 10 feet, by ⅛ and 1/16 of an inch thick, take the weight given in ⅛ of an inch column, and the weight of 1/16 of an inch column: add them together, and this will give the weight.

Thus, 325 lb. + 32½ lb. = 357½ lb., the weight of 10 superficial feet of plate ⅛ and 1/16 of an inch thick: and for ⅜ of an inch thick, you double ⅜ of an inch thick, and so on, for every case above ⅝ of an inch thick.

To obtain the weight of tapered shafting, if it be a true taper, add the thickness of the two extremes, and divide by 2, and this will give the medium size; then refer to the table for the kind of iron: if round, the round iron table, if square, the square iron table. To ascertain the the weight of oval bars, or bars flattened with round edges, callip the breadth and thickness, divide by 2, and this will bring them into round iron; then refer to table.

To get the weight of octagon shafting, add half the difference of the weight, between round and square shafting, to round shafting, and this will be the weight; or, subtract half the difference between round and square shafting, from square shafting, and the weight will be the same as in the last case. Thus, 2 inches round shafting weighs 10 lb. 9 oz. per foot; and 2 inch square shafting weighs 13 lb. 8 oz. The difference is 2 lb. 15 oz., and half of this difference is 1 lb. 7½ oz. Add this to the weight of round shafting. Hence, 10 lb. 9 oz. + 1 lb. 7½ oz. = 12 lb. 0½ oz., the weight of 1 foot of octagon shafting, 2 inches upon the cants.

For shafting that is part square and part round, the best way to obtain the true weight is, to measure each part correctly in inches. For round parts, square the diameter, and multiply it by the length in inches; and for square parts, multiply the side of the square into itself, then by the length in inches and parts of inches, lastly, by the decimal multipliers for cylindrical and cubic inches in section 5, and this will give the weight in avoirdupois pounds.

SECTION IV.

STRENGTH OF MATERIALS.

MATERIALS are exposed to four different kinds of strain:—1st, They may be torn asunder, as in the case of ropes and stretchers. The strength of a body to resist this kind of strain is called *Resistance to Tension*, or *Absolute Strength*.

2nd, They may be crushed or compressed in the direction of their length, as in the case of columns, truss beams, &c.

3rd, They may be broken across, or transversely, as in the case of joists, rafters, &c. The strength of a body to resist this kind of strain is called its *Lateral Strength*.

4th, They may be twisted or wrenched, as in the case of shafting axles, or screws.

To find the absolute strength of ropes, chains, metallic bars, or wooden beams, pulled lengthwise:—

Rule.—Multiply the area of the section, in inches, by the tabular number opposite the kind of material you are in want of. If square material, enter Column 1, Table 1 of this Section; if round material, enter Column 3 in the same Table.

Example 1.—Required the cohesive power of a bar of cast steel, 2 inches square.
$2 \times 2 \times 134256 = 537024$ lb. $\div 112 = 4794$ cwt. $\div 20 = 239$ tons 14 cwt. 3 qr. 12 lb.

Example 2.—A bar of cast iron, 2½ inches square; required its cohesive strength.
$2{\cdot}5 \times 2{\cdot}5 \times 18656$, multiplier for cast iron, $= 116600$ lb., or 52 tons 1 cwt., equal to the cohesive strength of the above bar.

Example 3.—Required the cohesive power of a bar of English wrought iron, 2½ inches broad by 1¼ inch thick.
$2{\cdot}5 \times 1{\cdot}5 \times 55872 = 209520{\cdot}00$ lb., or 93 tons 10 cwt.

Example 4.—Required the ultimate strength of a bar of round iron, ¾ of an inch tn diameter.
$\cdot 875^2 \times 43881$, multiplier for round rolled iron, $= 33596{\cdot}390625$ lb., or 14 tons 19 cwt. 3 qr, 24 lb.

Example 5.—Required the cohesive strength of a bar of round copper rod, ⅞ of an inch in diameter.

·875² × 26540, multiplier for copper rod, = 20319·687500 lb. or 9 tons 1 cwt. 1 qr. 19 lb.

Example 6.—What weight will it take to tear asunder a Norway spar, 6 inches in diameter?

Here, 6 × 6 × 9566, multiplier for Norway spar, = 344376 lb. Now, the spar will carry one-third of this weight without rupture, and free from all danger.

Hence, $\frac{344376 \text{ lb.}}{3}$ = 114792 lb., or 51 tons 4 cwt. 3 qr. 20 lb: Ans.

SECTION IV.—TABLE 1.

ON THE COHESIVE STRENGTH OF BODIES.

Name of material.	Tenacity of 1 inch square material.	1-third strength.	Tenacity of 1-inch round material.	1-third strength.	Modulus of rupture.
	lb.	lb.	lb.	lb.	
Cast steel	134256	44752	105444	35148	
Blister steel	133152	44384	104577	34859	
Shear steel	124400	41466	97703	32567	
Best iron wire	113077	37692	88810	29603	
Inferior quality	93964	31321	76799	25599	
Swedish iron	72064	24021	56599	18866	
German iron	69433	23144	54532	18175	
English iron	66900	22300	52544	17514	
Welch iron	64960	21653	51018	17006	
French iron	61001	20333	47910	15970	
Russian iron	59472	19824	46709	15569	
2nd quality, Eng, ir.	55872	18724	43881	14627	
2nd do., Welch do.	55776	18792	42806	14268	
Cast iron	38295	12765	30076	10025	
Wrought copper....	33792	11264	26540	8846	
2nd do.	19488	6496	15305	5101	
Cast copper.....	19072	6357	14979	4993	
Cast iron, Coed Talon, No. 2	18855	6285	14808	4936	
Yellow brass	17968	5989	14112	4704	
Good beech.....	17850	5950	14019	4673	9336
Good ash.....	17207	5735	13514	4504	12156

Name of material.	Tenacity of 1-inch square material.	1-third strength.	Tenacity of 1-inch round material.	1-third strength.	Modulus of rupture.
Cast iron, Carron, No. 2, cold blast..	lb. 16683	lb. 5561	lb. 13102	lb. 4367	38556
Teak	15000	5000	11781	3927	14772
New England fir ..	13489	4496	10594	3531	6612
Riga fir	12857	4285	10097	3365	7572
Christiana deal	12400	4133	9738	3246	9864
Larch	12240	4080	9613	3204	
Norway spar	12180	4060	9566	3188	
English oak	11880	3960	9330	3110	10032
Pitch pine	10415	3471	8179	2726	
Red pine	10000	3333	7854	2618	
Elm	9720	3240	7633	2544	
Sycamore	9630	3210	7563	2521	
Memel fir	9540	3180	7492	2497	10386
Adriatic oak	8808	2936	6917	2305	
Dantzic oak.....	7386	2462	5800	1933	
Ropes, hempen	6400	2133	5026	1675	

SECTION IV.—TABLE 2.

The following table is a comparison of short linked chains with ropes, shewing the size and weight of each, and the proof of the chain in tons. The sizes of ropes given are considered to be of equal strength with the chains. The rope is such as is now generally made by machinery, at most of the large rope works, by the register and press block, but was formerly known as "patent rope."

Size of chains.	Weight in lb. per fathom.	Proof strain in tons.	Size of rope in circ.	Weight of Rope in lb per fm.
$\frac{5}{16}$	6	$\frac{3}{4}$	$2\frac{1}{2}$	$1\frac{1}{2}$
$\frac{3}{8}$	$8\frac{1}{2}$	$1\frac{1}{2}$	$3\frac{1}{2}$	$2\frac{1}{2}$
$\frac{7}{16}$	11	$2\frac{1}{2}$	4	$3\frac{1}{2}$
$\frac{1}{2}$	14	$3\frac{1}{2}$	$4\frac{1}{2}$	5
$\frac{9}{16}$	18	$4\frac{1}{2}$	$5\frac{1}{2}$	7
$\frac{5}{8}$	24	$5\frac{1}{2}$	$6\frac{1}{2}$	$8\frac{1}{2}$
$\frac{11}{16}$	28	$6\frac{1}{2}$	7	$10\frac{1}{2}$
$\frac{3}{4}$	32	$7\frac{1}{2}$	$7\frac{1}{2}$	12
$\frac{13}{16}$	36	$9\frac{1}{2}$	$8\frac{1}{2}$	15
$\frac{7}{8}$	44	$10\frac{1}{2}$	9	$17\frac{1}{2}$
$\frac{15}{16}$	50	$12\frac{1}{2}$	$9\frac{1}{2}$	$19\frac{1}{2}$
1	56	14	10	22

SECTION IV.—TABLE 3.

Showing the proof strain for cables or stud-link, used in the Royal Navy, to be about 680 lb. upon each circular eighth of an inch of iron bolt, of which the chain may be made. Likewise, the comparative strength and weight of hempen cables with that of iron.

Example.—A chain cable made of 1 inch iron contains, in one side of the link, eight-eighths; then say 8 × 8 = 64 circular eighths, which, being multiplied by 680 lb., gives 40,320 lb., or 18 tons.

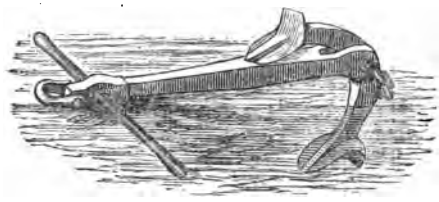
The first column shows the diameter of iron forming the links; the second, the weight per fathom in pounds; third, the ultimate strength of the iron bolts; Fourth, strenght of chains; fifth, navy proof in tons; sixth, hempen cables, equal in girth, for which the chains are substituted; and, seventh, the weight of hempen cables in pounds and ounces per fathom.

Size of the chain.	Weight per fathom.	Breaking strength of the bolt.	Breaking strength of the chain.	Navy proof in tons.	Hemp cable, equal strength of chain.	Weight of Hempcable in lb. and oz. per fm.
	lb.	tons. cwt.	ton. cwt.	ton.	ton.	lb. oz.
$\frac{5}{8}$	24	8 7	13 4	7	0½	8 14½
$1\frac{1}{8}$	28	10 2	16 0	8½	3½	11 14½
$\frac{3}{4}$	32	12 1	19 5	10½	8	14 0
$\frac{7}{8}$	44	16 4	26 5	13¾	9½	19 5
1	58	21 8	34 5	18	10½	22 8½
1⅛	72	27 2	48 15	22¾	12	30 12
1¼	90	33 10	53 11	28½	13½	39 4½
1⅜	110	40 10	65 0	34	15	48 3
1½	125	48 4	77 0	40½	16	54 14½
1⅝	145	56 11	90 10	47½	17	61 15
1¾	170	65 12	105 0	55½	18	68 3
1⅞	195	75 6	120 10	63¼	20	86 0
2	230	85 14	137 0	72	22	104 0
2⅛	256	96 15	155 0	81½	24	124 0
2¼	285	108 0	195 0	91½	26	145 4

SECTION IV.—TABLE 4.

Shows the circumference of wire ropes, their weight per fathom, their ultimate breaking strength in tons, and the working load they will bear in hundredweights, as stated by Messrs. Newall and Co., of Gateshead-on-Tyne, County of Durham, England.

Girth in inch.	Pounds weight per fathom.	Breaking strain in tons.	Working load in cwt.
1	1	2	6
1¼	1¼	3	9
1½	2⅛	5	15
2	3¼	7	21
2¼	4¼	9	27
2½	5½	11	33
2¾	6¼	13	39
3	7¼	15	45
3¼	8¼	17	51
3½	10	20	60
3¾	12	24	72
4	14	28	84



TROTMAN'S IMPROVED PORTER'S PATENT ANCHOR.—Fifteen years' experience of these anchors justifies the reduction of weight specified in the following table. The "Anchor Committee" was appointed in 1852: Rear-admiral Montagu Stopford was chairman; and Duncan Dunbar, Esq., chairman of the General Ship-owners' Society, and of the Mercantile Marine Board, London, member of the committee of Lloyd's Register of Shipping, &c., was one of the members. This committee, in paragraph 9 of their "Report on the relative Merits of Anchors of all Nations," state—

"It was suggested to the committee, during the progress of the parade and beach trials, that, from the superior holding properties, anchors on Porter's principle were fully equal, for all general purposes, to much larger anchors on the common plans; and as this appeared to the committee of vast importance to the shipping interests, they felt justified in so far deviating from their original design as to subject Trotman's anchor of 25 cwt. (which proved to have greater holding powers than Porter's) to trials with ordinary anchors of the respective weights of 30, 35, and 40 cwt.; the result of which left no doubt on the mind of the committee, that in regard to holding-power with a steady equable strain, Trotman's anchors are fully equal to admiralty (or ordinary) anchors of at least 24 per cent. greater weight."

The committee also, in their recapitulation of the respective merits of the several competing anchors, gave a numerical value to each property essential to a good anchor, and assigned as follows:—

For strength, to Trotman's, 2·22; to Rodgers', 1·94; or 14 per cent. in favour of Trotman's.

For holding-power, to Trotman's, 14·44; to Rogers', 10·69; or 35 per cent. in favour of Trotman's.

The following are the proportionate weights of anchors, to correspond with the cables and register tonnage of vessels:—

SECTION IV.—TABLE 5.

Tonnage.	Ordinary anchors.		Trotman's Improved Porter's.		Size of chain.
	Wood stock.	Iron stock.	Wood stock.	Iron stock.	
Tons.	cwt. qr.	cwt. qr.	cwt. qr.	cwt. qr.	inch.
100	..	5 2	..	4 1	$\frac{1}{16}$
125	..	6 1	..	4 3	1
150	..	7 3	..	5 3	$1\frac{1}{16}$
200	..	10 2	..	8 0	$1\frac{1}{8}$
225	..	11 2	..	8 3	$1\frac{3}{16}$
250	..	12 2	..	9 1	$1\frac{1}{4}$
300	..	15 0	..	11 1	$1\frac{5}{16}$
350	..	16 3	..	12 3	$1\frac{3}{8}$
400	..	19 2	..	14 3	$1\frac{7}{16}$
450	..	21 0	..	16 0	$1\frac{1}{2}$
500	20 1	23 2	15 1	17 2	$1\frac{9}{16}$
550	21 3	25 0	16 2	19 0	$1\frac{5}{8}$
600	24 0	27 2	17 3	20 2	$1\frac{11}{16}$
650	25 1	29 0	19 2	22 2	$1\frac{3}{4}$
700	27 0	31 0	20 1	23 2	$1\frac{13}{16}$
750	28 2	33 0	22 0	25 2	$1\frac{7}{8}$
800	30 1	35 0	23 1	26 2	$1\frac{15}{16}$
850	32 0	37 0	24 2	28 2	2
900	34 2	39 0	25 0	29 2	$2\frac{1}{16}$
950	35 1	40 2	26 1	30 2	$2\frac{1}{8}$
1000	37 2	43 0	27 0	32 2	$2\frac{3}{16}$
1100	39 2	45 2	29 0	34 2	$2\frac{1}{4}$
1200	42 0	48 0	32 0	36 0	$2\frac{5}{16}$
1300	45 0	51 0	34 2	38 2	$2\frac{3}{8}$
1400	48 0	54 0	35 2	41 0	2
1500	50 0	56 0	37 0	43 0	$2\frac{1}{16}$
1600	53 0	59 0	39 2	45 0	$2\frac{1}{16}$
1700	56 0	62 0	42 0	48 0	$2\frac{1}{8}$
1800	59 0	..	45 2	..	$2\frac{1}{8}$
1900	62 0	..	49 0	..	$2\frac{3}{16}$

SECTION IV.—TABLE 6.

THE following table, issued by Messrs. Hawks, Crawshay, and Sons, Gateshead Iron Works. shows the proper size of anchors and chains necessary for ships from 5 to 1000 tons burthen; also the stud link and short link chain tests, with their weight per fathom of 6 English feet; likewise a comparison of the size of rope, in circumference, equivalent to the strength of chains.

Register tonnage.	Size of chain in inches.	Lb. per fathom stud link.	Proof in tons.	Circumference of rope.	Weight of short link.	Proof in tons.	Weight of anchor in cwt.
tons.					lb.		
	9/16	..	..	..	2½	½	..
	½	..	..	..	4½	¾	..
5	9/16	..	..	2½	6¾	1¼	..
8	5/8	..	..	3¼	9½	1¾	..
10	11/16	..	..	4	12¼	2¼	..
20	¾	..	..	4¾	17½	3¼	2
30	13/16	..	..	5½	21½	4¼	2½
40	⅞	26	6	6¼	26½	5	3
50	15/16	30	7½	7	32	6¼	3½
60	⅞	34½	9	7½	36	7¼	4
75	1 3/16	40½	11	8¼	42	8¼	4½
95	1	47	13	9¼	49	10	5½
120	1 3/16	55	15	10	57	11¼	6½
150	1	61	17	10¾	66	12¾	8
180	1 1/16	71	19	11¼	74	14¼	9½
210	1¼	78	21½	12	82	16¼	11
240	1 3/16	83	24	12¾	90	18	12½
280	1¼	92	27	13½	99	20	14
320	1 5/16	100	30	14¼	106	22	16
360	1 5/16	109	33	15	114	24¼	18
400	1 7/16	120	36	15¾	..	26¼	20½
450	1½	132	40	16	..	28¾	21
500	1 9/16	142	44	16¾	..	31¼	24
550	1⅝	153	48	17½	..	33¾	26
700	1¾	179	56	18½	..	39¼	32
850	1⅞	200	64	20	..	45	40
1000	2	226	72	22	..	51½	45

SECTION IV.—TABLE 7,

The following tables, delivered in evidence by Mr. Fairbairn and Mr. Hodgkinson, show the result of many experiments made by them on the tensile, crushing, and transverse strength of cold and hot blast iron.

Force in lb. required to tear asunder a bar of cast iron 1 inch square

Description of iron.	Cold blast.	No. of experiment	Hot blast.	No. of exper.	Ratio of stren., cold blast iron being 1000.
	lb.				
Carron, No. 3.....	14200	1	17755	2	1000 .. 1250
Carron, No. 2.....	16683	2	13505	2	1000 .. 809
Buffery, No. 1.....	17406	2	13434	1	1000 .. 764
Coed Talon, No. 2....	18855	2	16676	2	1000 .. 884

SECTION IV.—TABLE 8.

Force, in pounds, required to crush a prism, the base being one inch square, the height, one and a half inch.

Description of iron.	Cold blast	No. of experiments.	Hot blast.	No. of experiments.	Ratio of strength that of cold blast iron being 1000.
Carron, No. 3.....	115442	4	133440	3	1000 .. 1156
Devon. No. 3.....	115442	4	145435	4	1000 .. 1156
Carron, No. 2	106375	3	108540	2	1000 .. 1020
Buffery, No. 1.....	93366	4	86397	4	1000 .. 925
Coed Talon, No. 2....	81770	4.	82730	4	1000 .. 1012

SECTION IV.—TABLE 9,

Transverse strength of bars, one inch square, laid upon supports four feet and a half asunder, and broken by pounds weight in the middle.

Description of iron.	Cold blast.	No. of experiments.	Hot blast.	No. of experiments.	Ratio of strength that of cold blast iron being 1000.
Devon, No. 3	448	2	537	2	1000 .. 1190
Caron, No. 3	444	3	520	3	1000 .. 1170
Coed Talon, No. 2....	408·7	3	409·2	2	1000 .. 1001
Coed Talon, No. 3....	538	2	496	2	1000 .. 922
Carron, No. 2.....	476	3	463	3	1000 .. 973
Buffery, No. 1.....	463	3	436	3	1000 .. 942
Muirkirk, No. 1.....	444	2	418	2	1000 .. 942
Elsicar Cold and Milton Hot Blast No. 1.....	430	2	352		1000 .. 819

SECTION IV.—TABLE 10.

Size, weight, and strength of flat wire ropes, and of equivalent flat hempen ropes, as stated by Messrs. Newall and Co.

HEMP.		WIRE.			
Size in inches.	lb. weight per fathom	Size in inches.	lb. weight per fathom.	Breaking strain. ton.	Working load. cwt
4 × 1	16½	2½ × ¼	9	16	36
4½ × 1⅛	20	2½ × ¼	10	18	40
5 × 1¼	24	2¾ × ⅜	12½	22½	50
5½ × 1⅜	26	3 × ⅜	15	27	60
6 × 1½	28	3½ × ⅜	18	32	72
7 × 1¾	36	4 × ⅜	20	36	80
8½ × 2⅛	40	4½ × ⅜	22½	40	90
8½ × 2¼	45	5 × ⅜	25	45	100

SECTION IV.—TABLE 11.

Shows the cohesive strength of an inch square bar of the following metals; and likewise the length in feet that would break each metal with its own weight. By George Rennie, Esq.

Metals.	Weight in lb. that would tear it asunder.	Length in feet that would break with its own weight.
Cast steel	134256	39455
Swedish iron....	72064	19740
English iron	55872	16938
Cast iron	19096	6110
Cast copper	19072	5092
Yellow brass....	17958	5180
Cast tin	4736	1496
Cast lead	1824	348

SECTION IV.—TABLE 12.

SHOWING THE ELASTICITY AND STRENGTH OF SEVERAL SPECIMENS OF TIMBER,

As proven by various Tests from the principal Officers and Commissioners of the British Navy.

The pieces were tested upon props 5 feet apart.

No. of experiments.	Names of woods and dimensions.	Specific gravity.	Greatest weight & deflection while the elasticity remained perfect.		Breaking weight, in lb.	Ultimate deflection, in inches.	Depth of neutral axis, in inches.
			Weight in lb.	Deflection in inches.			
1	Teak,	742	300 300	1·065 1·093	1020	4·75	1·2
2	7 ft. by 2 in. sq.	749	300 300	1·150 1·130	975	4·20	1·2
3		744	300 300	1·276 1·192	820	4·00	..
	Mean results	745	300	1·151	938	4·32	1·2
4	Poon,	600	150 150	·830 ·780	860	6·00	1·25
5	7 ft. by 2 in. sq.	570	150 150	·820 ·837	848	5·75	..
6		568	150 150	·837 ·830	830	6·00	1·20
	Mean results	579	150	·822	846	5·92	1·225
7	English oak, 1st specimen,	986	150 150	1·420 1·420	470	6·00	1·3
8	7 ft. by 2 in. sq.	998	150 150	1·700 1·700	421	5·90	1·3
9	Inferior specim.	925	150 150	1·650 1·650	460	5·80	1·3
	Mean results	969	150	1.590	450	5·90	1·3

Note.—Further experiments were made from oak scantlings of the same piece, only being separated by the saw. The pieces were 6 feet long by 2 inches square.

Straight pieces, not boiled, deflected 5½ inches, and broke with 667 lb.

Bent to a curve of 9½ inches, the arch being downwards, } Deflected to 14½ inches, broke with 727 lb.

Hence, from practical results, we find the breaking weights to read thus—

Natural growth breaks with.....743 lb.
Bent on Hookey's principle, and keyed....713 ..
Bent without a saw cut.....632 ..
Grain cut .....502 ..
Bent on Hookey's plan, without keys.....517 ..

SECTION IV.—TABLE 13.

On the cohesive properties of timber, or the load which would rend a prism of one inch square, and the altitude of the prism which would be severed by the action of its own weight.

Name of timber.	Cohesive force in avoirdupois pounds.	Length in feet that would break with its own weight.
Ash.....	14130	42080
Teak	12915	38049
Christiana deal..	12346	55500
Larch	12240	42160
Beech.....	12225	38940
Oak.....	11880	32900
Elm	9720	39050
Sycamore	9630	35800
Memel fir	9540	40500

SECTION IV.—TABLE 14.

A series of experiments were tried by the late Mr. John Kingston, in the dock-yard at Woolwich, which are given in all their details in the Transactions of the Society of Arts, vol. 51, 1837.

A bar 1¼ inch diameter	5 tons,	stretched	·011	in 100 inches.	
do. do.	10	„	„	·054	do.
do. do.	15	„	„	·110	do.
do. do.	26¼	„	„	1·35	broke.
A bar 1 inch diameter	5	„	„	·025	in 100 inches.
do. do.	10	„	„	·060	do.
do. do.	14	„	„	·093	do.
do. do.	23	„	„	2·502	broke.
A bar 1 inch square	11	„	„	·875	elasticity destroyed.
do. do.	12	„	„	1·03	do.
A bar 1 inch diameter	9	„	„	1·03	do.
A bar 2 inches square	40	„	„	1·05	do.

REMARKS ON TABLE 14.

These, and various other experiments, show the breaking strength of bar iron to vary from 23 to 28 tons per square inch of section; that the average weight which breaks the bars, when they are of a fair quality, is about 25 tons for each square inch of section; and that it it permanently stretched and its elasticity destroyed by about two-fifths of the strain that breaks it, or about 10 tons, the strain varying from 8·25 to 12 tons.

It has also been ascertained, that bar iron stretches within the limits of its elasticity about ·000026, or one ten-thousandth part of an inch by each ton of strain, and it is permanently stretched when the extension reaches one-thousandth part of its length. Consequently, it should never be subjected, for any practical purpose, to a stress of more than 5 tons on each square inch of section, with a quiescent load or steady pull.

SECTION IV.—TABLE 15.

To obtain the strength of hempen ropes, square the girth or circumference of rope in inches and parts, divide by 5, and you have the answer in tons and decimal parts.

Hence, a rope 1 inch in diameter will be 3¼ inches in the girth. Here, $3{\cdot}125 \times 3{\cdot}125 = 9{\cdot}765625 \div 5 = 1{\cdot}953125$, or 1 ton 19 cwt.

Circumf. of rope.	Weight rope will support.	Circumf. of rope.	Weight rope will support.	Circumf. of rope.	Weight rope will support.
inches.	tons. cwt.	inches.	tons. cwt.	inches.	tons. cwt.
3¼	2 9	9¼	18 1	18	64 16
4	3 4	10	20 0	19	72 4
4¼	4 1	10¼	22 1	20	80 0
5	5 0	11	24 4	21	88 4
5¼	6 1	11¼	26 9	22	96 16
6	7 4	12	28 16	23	105 16
6¼	8 9	13	33 16	24	115 4
7	9 16	14	39 4	25	125 0
7¼	11 5	15	45 0	26	135 4
8	12 16	16	51 4	27	145 16
8¼	14 9	17	57 16	28	156 16
9	16 4				

STRENGTH OF WROUGHT IRON PLATES.

Mean breaking weight in tons per square inch, when drawn in the direction of the fibre :—

Yorkshire plates,	25·77	25¾
Do. do.	22·76	22¾
Derbyshire do.	21·68	21⅝ only.
Shropshire do.	22·83	22⅞
Staffordshire do.	19·56	19½

Mean, 22·52 or 22½ tons.

Mean breaking weight in tons per square inch, when drawn across the fibre :—

Yorkshire plates	27·49
Do. do.	26·04
Derbyshire do.	18·65
Shropshire do.	20·00
Staffordshire do	21·01

Mean, 22·63 tons, or 22¾ nearly.

Mean breaking weight in pounds, from four plates of equal section, riveted by a single row of rivets :—

Yorkshire	20127	Mean, 18590 pounds.
Derbyshire	16107	
Shropshire	18982	
Staffordshire	19147	

Mean breaking weight in pounds, from four plates of equal section to the last, but united with a double row of rivets :—

Yorkshire	22699	Mean, 22258 pounds.
Derbyshire	23371	
Shropshire	20059	
Staffordshire	22902	

SECTION IV.—TABLE 16.

RESULTS, AS OBTAINED FROM THE EXPERIMENTS OF MR. FAIRBAIRN.

Cohesive strength of plates. Breaking weight in lb. per square inch.	Strength of single riveted joints, of equal section to the plates, taken through the line of rivets. Breaking weight in lb. per sq. in.	Strength of double rivets, joints of equal section to the plates taken through the line of rivets. Breaking weight in lb. per square inch.
57724	45743	52352
61579	36606	48821
58322	43141	58286
50983	43515	54594
51130	40249	53879
49281	44715	53879
43805	37161	
47062		
Mean, 52486	41590	53635

The relative strength will, therefore, be—

For the plate	1000
Double-riveted joint	1021
Single-riveted joint	791

From the above, the reader will perceive that the single-riveted joints have lost one-fifth of the actual strength of the plates, whilst the double-riveted have retained their resisting powers unimpaired. These are important facts, and prove the superior value of the double joint.

Mr. Fairbairn assumes the following relative strengths as the value of plates, with their riveted joints :—

Taking the strength of the plate at 100, the strength of the double-riveted joint would then be 70, and the strength of the single-riveted joint, 56.

These proportions may be safely taken, in practice, to be nearly the standard value of joints, for such vessels as are required to be steam or water tight, and subjected to pressure varying from 10 to 100 lb. upon the square inch.

SECTION IV.—TABLE 17.

EXHIBITING THE STRONGEST FORMS AND BEST PROPORTIONS OF RIVETED JOINTS,

As deduced from experiments and actual practice.

Thickness of plates in inches.	Diameter of rivets in inches.	Length of rivets from the head, in inches.	Distance of rivets from centre to centre, in inches.	Quantity of lap in single joints in inches.	Quantity of lap in double-riveted joint in inches.
·19 = $\frac{3}{16}$	·38	·88	1·25	1·25	For the double-riveted joint, add two-thirds depth of single lap.
·25 = $\frac{1}{4}$	·50	1·13	1·50..6	1·50..6	
·31 = $\frac{5}{16}$	·63	1·38	1·63	1·88	
·38 = $\frac{3}{8}$	·75..2	1·63..4·5	1·75..5	2·00..5·5	
·50 = $\frac{1}{2}$	·81	2·25	2·00	2·25	
·63 = $\frac{5}{8}$	·94..1·5	2·75	2·50..4	2·75..4·5	
·75 = $\frac{3}{4}$	1.13	3·25	3·00	3·25	

The figures 2, 1·5, 4·5, 6, 5, &c., in the preceding table, are multipliers for the diameter, length and distance of rivets; also for the quantity of lap allowed for the single and double joints. These multipliers may be considered as proportionals of the thickness of the plates to the diameter, length, distance of rivets, &c. For example,

suppose we take three-eighth plates, and require the proportionate parts of the strongest form of joint. It will be—

·375 × 2 = ·750 diameter of rivet, ¾ inch
·375 × 4½ = 1·688 length of rivet, 1¾ inch.
·375 × 5 = 1·875 distance between rivets, 1⅞ inch
·375 × 5½ = 2·063 quantity of lap, 2 inches
·375 × 5½ + ⅜ = 3·438 quantity of lap for double joints, 3½ inches.

·75, 1·68, 1·87, 2·06, snd 3·43 are, therefore, the proportionate quantities necessary to form the strongest steam or water-tight joints on plates three-eighths of an inch thick.

SECTION IV.—TABLE 18.

RESISTANCE OF WROUGHT IRON PLATES TO PRESSURE BY A BLUNT INSTRUMENT, AT RIGHT ANGLES TO THE SURFACE OF THE PLATE.

Experiments to determine the resistance per square foot of wrought iron to a force tending to burst them.

No of experiment.	Description of plates.	Weight laid on in lb.	Permanent indentn. of plate, inch.	REMARKS.
1	Plate of the best Staffordshire iron, ¼ in. thick.	8617	·3	Plate not cracked
		9893	·35	Plate not cracked
		11169	·5	Crack on convex side 8 in. long.
		12445	·6	Crack on convex side 9 in. long, not opened on concave side.
		13789	·7	Hole through the plate about 1¼ inch long, and ¼ of an inch wide.
2	Plate of the same quality of iron, ¼ in. thick.	18523	..	No crack
		21075	·33	Incipient crack on convex side.
		22787	·45	Crack 4 inches long, forming a cross.
		25923	·60	Crack above 6 inches long.
		29059	·75	Crack ¼ inch wide
		32195	·80	
		35331	·97	
		36899	1·10	No crack on concave side
		37519	..	Plate cracked through

REMARKS ON SECTION IV.

SHOWING THE CAPACITY THAT IRON HAS FOR EXPANDING AND CONTRACTING, MORE PARTICULARLY UPON LOCOMOTIVE ENGINE WHEEL TYERS.

It will be necessary to remark, that the errors of the old school of smiths are fast dying away. It has been stated, for centuries past, and it is even asserted at present, by some of the bigoted school, who work more by superstition than by reason, that "the expansion and contraction of iron" are equal or balanced, one with the other; that it matters not how often we heat iron and cool it in water, as it returns to the same length that it was prior to its being heated. This is an egregious error, and the sooner it is exploded the better.

It is well known that iron, of a medium quality, will expand, when made red hot, one-eighth of an inch to every foot in length of the bar. It is also an ascertained fact, that cooling red hot bars in cold water will jump the pores of the iron, the first heat about one-thirtysecond of an inch to every foot in length, or 22 feet of iron will be eleven-sixteenths of an inch shorter than it was previous to its being heated and cooled. Several experiments have been tried at Swindon Works, Great Western Railway. A locomotive engine wheel tyer was heated 13 times, and cooled in cold water. The tyer was a creased one, or what is commonly called a flanged tyer; it was 7 feet diameter, 5½ inches broad, by 2½ inches thick. It was steeled upon the external surface. The steel was five-eighths of an inch thick, and the following is the amount of contraction:—

Number of heats—	1	2	3	4	5	6	7	8	9	10	11	12	13
Amount of contraction in parts of an inch.....	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{7}{16}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{4}$

The above tyer contracted, altogether, 5⅛ inches in the circumference. Several experiments, but not upon so extensive a scale, have been tried in all the principal manufactories upon the banks of the Tyne. A flanged tyer, all iron, 6 feet diameter, 5½ inches broad, by 2½ inches thick at the plain edge, was properly turned and fitted; then it was heated red hot, without scaling, and cooled in cold water, and it then measured ¼ of an inch shorter.

The above experiment, at Swindon, clearly shows that there is no reasonable end to contraction of iron; it appears only to vary on account of different degrees of heat. You will perceive it to contract

as much at the eleventh heat as it did at the first heat; and the larger amount of contraction will be at the second heat.

In the hooping of railway carriage wheels, there is no necessity to make the hoop anything less than the circumference of the wheel provided that a cold water pipe be brought into the centre of the basin where the hoops are cooled. The general length for tyers, at present, is an allowance of one-eighth to three-sixteenths of an inch shorter than the circumference of the wheel. The practice of the workmen in one railway shop, in Newcastle-upon-Tyne, has proved this allowance to be unnecessary, for they are making tyers daily, the same size as the wheel, and which are sufficiently tight; and no doubt but all tyers, properly turned and knifed, made just red hot without scaling, and then cooled immediately in cold water, will be the most perfect.

Should any workmen, through inadvertancy, bore or fit any levers, or other malleable iron eyes, too large, let it be distinctly understood, that heating them cautiously in a hollow fire, taking care not to raise a scale upon the iron, and then cooling them in cold water, will contract them until they become a proper fit. Likewise, cast iron eyes or cranks, being heated until you can just discern them red, and then cooled, will be one-thirtysecond of an inch shorter in every twelve inches of their circumference.

Further, it is an ascertained fact, that metallic bars of the same dimensions will expand by the same degree of heat, in the following order:—

Lead, 149; Silver, 103; Brass, 95; Copper, 89; Gold, 73; Iron, 60; Steel, 56.

SECTION IV.—TABLE 19.

The Effects of different Degrees of Heat upon different Metals, according to Fahrenheit's Scale, are shown below.—

	DEG.		DEG.
Cast iron, thoroughly melted	20577	Heat of a common fire	790
Cast iron, begins to melt	17977	Iron, red in the dark	750
Greatest heat of a common smith's forge	17327	Zinc melts	700
Flint glass furnace (greatest heat)	15897	Mercury boils	672
Welding heat of iron (greatest)	13427	Lead melts	590
Swedish copper melts	4587	The surface of polished steel becomes blue	580
Brass melts	3807	Steel becomes straw-coloured	460
Iron, red hot, in twilight	884	Tin melts	442
		A mixture of three of tin and two of lead	332

SECTION V.

DEFINITIONS OF ARITHMETICAL SIGNS.

THIS section contains signs employed for calculating all kinds of dimensions, and ought to be particularly attended to.

$=$ Sign of Equality, and signifies equal to, as 3 added to 5 $= 8$.

$+$ Sign of Addition, and signifies plus or more, as $5 + 3 = 8$.

$-$ Sign of Subtraction, and signifies minus or less, as $8 - 3 = 5$.

$\times$ Sign of Multiplication, and signifies multiplied by, as $8 \times 3 = 24$.

$\div$ Sign of Division, and signifies divided by, as $24 \div 3 = 8$, or $\frac{24}{3} = 8$.

$:::$ Sign of Proportion, and signifies that 2 is to 3 as 4 is to 6, &c.

$\surd$ Sign of the Square Root, and signifies Evolution, or the extraction of roots.

$\surd^3$ Sign of the Cube Root, and signifies thus, $\surd 64 = 8$, and $\surd^3 64 = 4$.

4^2 Sign to be Squared, and signifies Involution, or the raising of powers.

4^3 Sign to be Cubed, and signifies thus, $4^2 = 16$, and $4^3 = 64$.

$\overline{3 + 5} \times 8 = 64$, and signifies that 3 plus 5, multiplied by 8, $= 64$.

$\surd 5^2 - 3^2 = 4$, and signifies 5 squared, minus 3 squared, and the square root of the remainder is 4.

$\frac{\sqrt[3]{20 \times 12}}{30} = 2$, and signifies 20 multiplied by 12. and divided by 30, the cube root of the quotient $= 2$.

$\therefore$ These three dots mean Therefore, and $\therefore$ minus 3 is equal to 5; when inverted, they mean Because, and signify thus, $\because 8 - 3 = 5$, $5 + 3 = 8$.

SECTION V.—TABLE 1.

BEING THE INVERTED DECIMAL PROPORTIONS OF ONE INCH,

As per Table 2, Section 2, expressed by 32 different Dimensions, useful in explaining the Table of Areas and Cubes.

1/32	·03125	9/32	·281	17/32	·531	25/32	·781
1/16	·0625	5/16	·312	9/16	·562	13/16	·812
3/32	·0937	11/32	·343	19/32	·593	27/32	·843
1/8	·125	3/8	·375	5/8	·625	7/8	·875
5/32	·156	13/32	·406	21/32	·656	29/32	.906
3/16	·187	7/16	·437	11/16	·687	15/16	·937
7/32	·218	15/32	·468	23/32	·718	31/32	·968
1/4	·25	1/2	·5	3/4	·75	1	1·000

SECTION V.—TABLE 2.

OF DIAMETERS, ROOTS, CIRCUMFERENCES, AREAS, AND CUBES.

THE first column, multiplied by 3·1416, equals second column, and gives circumference. The first column, multiplied into itself, gives third column, equal circular area. First column, multiplied into itself, then by ·7854, gives fourth column, equal square area. The first column, cubed, or multiplied into itself three times, equals last column, and gives the cube of which the first column is the root.

Note.—The reader must observe that, in calculating decimal values, if the product be short in number of the multiplier and multiplicand, cyphers must be added to the left hand of the product, so as the numbers may square. Thus, the decimal value of one thirty-second is ·03125. Hence, if we cube this, it brings out thirteen figures in the product; and we find there should be fifteen. Therefore, we add two cyphers, and this secures the value of the cube of which one thirty-second is the root.

Further, if any cube in Column 5 of table be multiplied by 8, it will give the cube for double the root

Example.—The cube of 3½ is 42·875, × by 8, gives 343·000, equal the cube of which 7 is the root.

Likewise, if we multiply the products of either circular or square area by 4, it will give the area of a circle of double the diameter.

Roots and diam.	Circumf.	Circular area.	Square area.	Cube.	Roots and diam.	Circumf.	Circular area	Square area	Cube.
in.	inches	inches	inches	inches	in.	inches	inches	inches	inches
1/32	·009817	·000976	·000766	·000030	27/32	2·6507	·71182	·55904	·59011
1/16	·019635	·003906	·003067	·000244	7/8	2·7489	·76562	·60130	·66992
3/32	·029453	·008789	·006902	·000822	29/32	2·8470	·82119	·64489	·74367
1/8	·03927	·015625	·012271	·001953	15/16	2·9452	·87890	·69028	·82265
5/32	·049087	·024414	·019174	·003796	31/32	3·0434	·93847	·73701	·90703
3/16	·058905	·035156	·027611	·006539	1	3·1416	1·	·7854	1·
7/32	·068722	·047851	·037582	·010360	1 1/32	3·2307	1·0634	·83488	1·0965
1/4	·07854	·0625	·049087	·015625	1 1/16	3·3379	1·1289	·88593	1·1994
9/32	·088357	·079101	·062125	·022188	1 3/32	3·4361	1·1946	·93776	1·3057
5/16	·098175	·097656	·076655	·030371	1 1/8	3·5343	1·2656	·99353	1·4238
11/32	1·0799	·118164	·092755	·040387	1 5/32	3·6324	1·3363	1·0492	1·5448
3/8	1·1781	·140625	·110427	·052734	1 3/16	3·7306	1·4089	1·1648	1·6748
13/32	1·2762	·165039	·129591	·066423	1 7/32	3·8288	1·4835	1·1647	1·8068
7/16	1·3744	·191406	·150325	·083453	1 1/4	3·927	1·5625	1·2267	1·9531
15/32	1·4726	·219686	·172473	·102503	1 9/32	4·0251	1·6409	1·2880	2·1020
1/2	1·5708	·25	·196350	·125	1 5/16	4·1233	1·7213	1·3516	2·2584
17/32	1·6689	·28222	·22163	·14972	1 11/32	4·2215	1·8036	1·4160	2·4221
9/16	1·7671	·31640	·24850	·17750	1 3/8	4·3197	1·8906	1·4844	2·5996
19/32	1·8653	·35253	·27485	·20852	1 13/32	4·4178	1·9768	1·5519	2·7794
5/8	1·9635	·39062	·30667	·24789	1 7/16	4·5160	2·0649	1·6210	2·9671
21/32	2·0616	·43066	·33819	·28220	1 15/32	4 6142	2·1550	1·6925	3·1635
11/16	2·1598	·47265	·37118	·32424	1 1/2	4·7124	2·25	1·7671	3·375
23/32	2·2580	·51652	·40565	·37014	1 17/32	4·8105	2·3439	1·8409	3·5786
3/4	2·3562	·5625	·44178	·42187	1 9/16	4·9071	2·4414	1·9155	3 8740
25/32	2·4543	·61035	·47932	·47637	1 19/32	5·0069	2·5376	1·9025	4·0424
13/16	2·5525	·66015	·51844	·53538	1 5/8	5·1051	2·6406	2·0734	4·2910

Roots and diam.	Circumf.	Circular area	Square area	Cube	Roots and diam.	Circumf.	Circular area	Square area	Cube
in.	inches	inches	inches	inches	in.	inches	inches	inches	inches
1 3/16	5·2032	2·7423	2·1535	4·5423	2 3/16	7·7558	6·0910	4·7838	15·0326
1 1/8	5·3014	2·8459	2·2344	4·8011	2 1/8	7·854	6·25	4·9087	15·625
1 3/16	5·3996	2·9515	2·3187	5·0707	2 3/16	7·9521	6·4059	5·0304	16·2134
1 1/4	5·4978	3·0625	2·4053	5·3593	2 5/16	8·0503	6·5638	5·1545	16·8165
1 5/16	5·5959	3·1719	2·4905	5·6492	2 7/16	8·1485	6·7236	5·2802	17·5214
1 3/8	5·6941	3·2833	2·5184	5·9494	2 3/8	8·2467	6·8906	5·4114	18·0878
1 7/16	5·7923	3·3992	2·6695	6·2600	2 7/16	8·3448	7·0543	5·5402	18·7363
1 1/2	5·8905	3·5156	2·7606	6·5017	2 1/2	8·4430	7·2199	5·6698	19·4000
1 9/16	5·9886	3·6328	2·8525	6·9241	2 9/16	8·5412	7·3875	5·8017	20·0792
1 5/8	6·0868	3·7519	2·9460	7·2675	2 5/8	8·6394	7·5625	5·9391	20·7968
1 11/16	6·1840	3·8730	3·0418	7·6221	2 11/16	8·7375	7·7339	6·0734	21·5081
2	6·2832	4·	3·1416	8·	2 3/4	8·8357	7·9073	6·2100	22·2354
2 1/32	6·3813	4·1257	3·2297	8·3802	2 13/16	8·9339	8·0826	6·3476	22·9818
2 1/16	6·4795	4·2539	3·3402	8·7736	2 7/8	9·0321	8·2656	6·4913	23·7636
2 3/32	6·5777	4·3757	3·4361	9·1779	2 15/16	9·1302	8·4448	6·6319	24·5406
2 1/8	6·6759	4·5156	3·5460	9·5957	2 1/8	9·2284	8·6259	6·7740	25·3347
2 5/32	6·7740	4·6483	3·6505	10·0218	2 1/8	9·3266	8·8090	6·9185	26·1392
2 3/16	6·8722	4·7829	3·7557	10·4603	3	9·4248	9·	7·0686	27·
2 7/32	6·9704	4·9195	3·8633	10·9115	3 1/32	9·5229	9·1881	7·2162	27·8525
2 1/4	7·0686	5·0625	3·9756	11·3906	3 1/16	9·6211	9·3758	7·3631	28·7229
2 9/32	7·1667	5·2029	4·0856	11·8670	3 3/32	9·7193	9·5566	7·5052	29·6097
2 5/16	7 2649	5·3453	4·1979	12·3584	3 1/8	9·8175	9·7656	7·6943	30·5175
2 11/32	7·3631	5·4893	4·3110	12·8622	3 5/32	9·9156	9·9603	7·8225	31·4348
2 3/8	7·4613	5·6406	4·4296	13·3964	3 3/16	10·0138	10·1569	7·9765	32·3712
2 13/32	7·5594	5·7888	4·5458	13·9279	3 7/32	10·1120	10·3555	8·1328	33·3140
2 7/16	7·6576	5·9389	4·5937	14·4732	3 1/4	10·2102	10·5625	8·2938	34·3281

Roots and diam.	Circumf.	Circular area	Square area	Cube	Roots and diam	Circumf.	Circular area.	Square area	Cube.
in.	inches	inches	inches	inches	in	inches	inches	inches	inches
$3\frac{9}{32}$	10·3083	10·7649	8·4540	35·4510	$4\frac{3}{32}$	12·8609	16·7526	13·1570	68·6037
$4\frac{5}{16}$	10·4065	10·9623	8·6150	36·3304	$4\frac{1}{8}$	12·9591	17·0155	13·3635	70·1894
$3\frac{1}{32}$	10·5047	11·1756	8,7768	37·3601	$4\frac{5}{32}$	13·0572	17·2723	13·5654	71·7838
$3\frac{3}{32}$	10·6029	11·3906	8·9457	38·4433	$4\frac{3}{16}$	13·1554	17·5309	13·7680	73·4021
$3\frac{1}{8}$	10·7010	41·6008	9·1106	39·6124	$4\frac{7}{32}$	13·2536	17·7915	13·8729	75·0446
$3\frac{7}{32}$	10·7992	11·8129	1·2771	40·5977	$4\frac{1}{8}$	13·3518	18·0625	14·1858	76·7656
$3\frac{1}{16}$	10·8974	12·0270	9·4460	41·7097	$4\frac{9}{32}$	13·4499	18·3269	14·3932	78·4677
$3\frac{1}{4}$	10·9956	12·25	8·6211	42·875	$4\frac{5}{16}$	13·5481	18·5933	14·6329	80·1744
$3\frac{17}{32}$	11·0937	12·4679	9·7158	44·0243	$4\frac{11}{32}$	13·6463	18·8616	14·8134	81·9161
$3\frac{9}{16}$	11·1919	12·6878	9·8843	45·1941	$4\frac{3}{8}$	13·7445	19·1406	15·0325	83·7402
$3\frac{19}{32}$	11·2901	12·9096	10·1387	46·3843	$4\frac{13}{32}$	13·8426	19·4128	15·2461	85·5329
$3\frac{5}{8}$	11·3883	13·1406	10·3201	47·6247	$4\frac{7}{16}$	13·9408	19·6869	15·4613	87·3510
$3\frac{21}{32}$	11·4864	13·3663	10·4976	48·8673	$4\frac{15}{32}$	14·0390	19·9630	15·6789	89·1947
$3\frac{11}{16}$	11·5846	13·5939	10·6759	50·1209	$4\frac{1}{2}$	14·1372	20·25	15·9043	91·125
$3\frac{23}{32}$	11·6838	13·8235	10·8563	51·3958	$4\frac{17}{32}$	14·2353	20·5299	16·1234	93·0212
$3\frac{3}{4}$	11·7810	14·0625	11·0442	52·7333	$4\frac{9}{16}$	14·3335	20·8118	16·3449	94·9436
$3\frac{25}{32}$	11·8791	14·2959	11·2272	54·0530	$4\frac{19}{32}$	14·4317	21·0956	16·5680	96·8918
$3\frac{13}{16}$	11·9773	14·5313	11·4126	55·3934	$4\frac{5}{8}$	14·5299	21·3906	16·7997	98·9316
$3\frac{27}{32}$	12·0755	14·7686	11·5987	56·7559	$4\frac{21}{32}$	14·6280	21·6783	17·0259	99·8417
$3\frac{7}{8}$	12·1737	15·0156	11·7927	58·1855	$4\frac{11}{16}$	14·7262	21·9679	17·2528	102·9638
$3\frac{29}{32}$	12·2718	15·2568	11·9820	59·5932	$4\frac{23}{32}$	14·8244	22·2595	17·4824	105 0204
$3\frac{15}{16}$	12·3700	15·4999	12·1729	61·0241	$4\frac{3}{4}$	14·9226	22·5625	17·7201	107·1718
$3\frac{31}{32}$	12·4682	15·7450	12·3661	62·4762	$4\frac{25}{32}$	15·0207	22·8579	17·9518	109·2849
4	12·5664	16·	12·5664	64·	$4\frac{13}{16}$	15·1189	23·1553	18·1859	111·4235
$4\frac{1}{32}$	12·6645	16·2505	12·7627	65·5117	$4\frac{27}{32}$	15·2171	23·4546	18·4207	113·5908
$4\frac{1}{16}$	12·7627	16·4998	12·9582	66·9471	$4\frac{7}{8}$	15·3153	23·7656	18·6650	115·8564

Roots and diam.	Circumf.	Circular area.	Square area.	Cube.	Roots and diam.	Circumf.	Circular area	Square area	Cube
in.	inches	inches	inches	inches	in.	inches	inches	inches	inches
4 2/8	15·4134	24·0788	18·9108	118·0841	6 1/8	21·0094	44·7159	35·1191	299·0103
4 1/4	15·5116	24·3739	19·1425	120·3342	6 3/16	21·1076	45·1315	35·4458	303·0701
4 3/2	15·6098	24·6810	19·3844	122·6153	6 2/4	21·2058	45·5625	35·7848	307·5468
5	15·7080	25·	19·6350	125·	6 5/16	21·3039	45·9819	36·1134	311·8036
5 1/8	15·8061	25·3129	19·8800	127·3584	6 1/8	21·4021	46·4033	36 4449	316·0995
5 1/16	15·9043	25·6289	20·1282	129·7463	6 3/8	21·5003	46·8266	36·7771	320·4347
5 2/8	16·0025	25·9457	20·3772	132·5891	6 7/16	21·5985	47·2656	37·1219	324·9511
5 1/8	16·1007	26·2655	20 6285	134·6113	6 4/8	21·6966	47·6928	37·4572	329·3667
5 6/16	16·1988	26·5843	20·8790	137·0688	6 1/8	21·7048	48·1219	37·7942	333·8220
5 3/16	16·2970	26·9049	21·1304	139·5560	6 3/4	21·8930	48·5530	38·1335	338·3174
5 7/16	16·3952	27·2275	21·3840	142·0732	7	21·9912	49·	38·4846	343·
5 1/4	16·4934	27·5625	21·6471	144·7031	7 1/8	22·0893	49·4377	38·8278	347·6162
5 9/16	16·5915	27·8884	21·9032	147·2816	7 1/16	22·1875	49·8718	39·1686	352·2697
5 5/16	16·6897	28·2173	22·1616	149·9436	7 2/8	22·2857	50·3106	39·5134	356·9590
5 11/32	16·7879	28·5484	22·4215	152·5300	7 3/16	22·3839	50·7656	39·8708	361·7050
5 3/8	16·8861	28·8906	22·6902	155·2871	7 4/8	22·4820	51·2083	40·2187	366·4468
5 13/32	16·9842	29·2248	22·9525	157·9894	7 5/16	22·5802	51·6521	40·5674	371·2298
5 7/16	17·0824	29·5609	23·2164	160·7229	7 3/8	22·6584	52·0995	40·9185	376·2543
5 15/32	17·1806	29·8990	23·4826	163·4878	7 1/4	22·7766	52·5625	41·2821	381·0781
5 1/2	17·2788	30·25	23·7583	166·375	7 9/16	22·8747	53·0129	41·6356	385·9873
5 17/32	17·3769	30·5919	24·0261	169·2041	7 5/8	22·9729	53·4653	41·9914	390·9385
5 9/16	17·4751	30·9358	24·2963	172·0651	7 11/16	23·0711	53·9196	42·3479	395·9246
5 19/32	17 5733	31·2816	24·5680	174·9558	7 3/4	23·1693	54·3906	42·7179	401·1308
5 5/8	17·6715	31·6406	24·8500	177·9785	7 13/16	23·2674	54·8488	43·0776	406·2104
5 21/32	17·7696	31·9903	25·1249	180·9373	7 7/8	23·3656	55·3089	43·4389	411·3328
5 11/16	17·8678	32·3419	25·4006	184·4074	7 15/16	23·4638	55·7710	43·8025	416·4980

5 3/16	17·9660	32·6955	25·6786	186·9530	7 1/16	23·5620	56·25	44·1787	421·875
5 1/8	18·0642	33·0625	25·9668	190·1093	7 1/8 7/16	23·6689	56·7159	44·4439	427·1279
5 3/16	18·1623	33·4199	26·2472	193·2007	7 7/16	23·7583	57·1838	44·9115	432·4241
5 1/4 3/16	18·2605	33·8793	26·6085	196·3255	7 1/2 1/16	23·8565	57·6536	45·2806	437·7641
5 3/8 7/16	18·3587	34·1406	26·8135	199·4838	7 1/8	23·9597	58·1406	45·6631	443·3222
5 7/16	18·4569	34·5156	27·1080	202·7792	7 3/8 1/16	24·0528	58·5643	45·9961	448·7513
5 3/8 3/16	18·5550	34·8808	27·3947	206·0062	7 1/4 1/16	24·1510	59·0891	46·4085	454·2245
5 1/4 1/16	18·6532	35·2479	27·6829	209·2671	7 3/8 3/16	24·2492	59·5675	46·7859	459·7421
5 3/8 1/16	18·7514	35·6170	27·9735	212·5628	7 1/2	24·3474	60·0625	47·1726	465·4843
6	18·8496	36·	28·2744	216·	7 3/8 1/16	24·4455	60·5139	47·5504	471·7928
6 3/16	18·9477	36·3753	28·5689	219·3926	7 1/4 1/16	24·5437	61·0273	47·9606	476·7455
6 1/16	19·0459	36·7539	28·8658	222·7266	7 3/8 7/16	24·6419	61·5126	48·3115	482·4437
6 3/16	19·1441	37·1831	29·1642	226·2784	7 7/16	24·7401	62·0156	48·7065	488·3730
6 1/8	19·2423	37·5156	29·4542	229·7832	7 3/8 1/16	24·8382	62·5048	49·0906	494·1632
6 3/16	19·3404	37·8963	29·7635	233·2898	7 1/4 1/16	24·9364	62·9959	49·4762	499·9990
6 1/4 1/16	19·4386	38·2789	30·0635	236·8302	7 3/8 1/16	25·0346	63·4890	49·9022	505·8805
6 7/16	19·5368	38·6635	30·3659	240·4097	8	25·1328	64·	50·2656	512·
6 1/4	19·6350	39·0625	30·6792	244·1406	8 1/16	25·2309	64·5001	50·6583	517·9431
6 9/16	19·7331	39·4509	30·9840	247·7914	8 1/16	25·3291	64·9958	51·0470	524·0939
6 3/16	19·8313	39·8413	31·2911	251·4785	8 3/16	25·4273	65·4966	51·4405	530·2019
6 1/8 1/16	19·9295	40·2336	31·5989	255·2020	8 1/8	25·5255	66·0156	51·8481	536·3769
6 1/8	20·0277	40·6396	31·9178	259·0922	8 3/16	25·6236	66·5208	52·2448	542·5398
6 1/8 1/16	20·1258	41·0368	32·2296	262·8819	8 1/16	25·7218	67·0269	52·6722	548·7197
6 7/16	20·2240	41·4349	32·5422	266·7168	8 7/16	25·8200	67·5355	53·0417	555·0069
6 1/8 1/16	20·3222	41·8350	32·8572	270·5880	8 1/4	25·9382	68·0625	53·4558	561·5156
6 1/8	20·4204	42·25	33·1831	274·625	8 9/16	26·0163	68·5749	53·8580	567·6925
6 1/4 7/16	20·5185	42·6539	33·4996	278·5730	8 1/16	26·1145	69·0893	54·1625	574·2706
6 9/16	20·6167	43·0598	33·8185	282·5586	8 1/8 1/16	26·2127	69·6056	54·6677	580·7199
6 1/8 1/16	20·7149	43·4676	34·1389	286·5832	8 1/8	26·3109	70·1406	55·0879	587·4277
6 1/8	20·8131	43·8916	34·4719	290·7753	8 1/8 1/16	26·4090	70·6608	55·4963	593·9749
6 1/8 1/16	20·9112	44·3023	34·7947	294·8763	8 7/16	26·5072	71·1829	55·9063	600·5707

Roots and diam.	Circumf.	Circular area.	Square area	Cube	Roots and diam.	Circumf.	Circular area	Square area	Cube.
in.	inches	inches	inches	inches	in.	inches	inches	inches	inches
$8\frac{1}{32}$	26·6054	71·7070	56·3186	607·2150	$10\frac{1}{4}$	32·2014	105·0625	82·5156	1076·8906
$8\frac{1}{16}$	26·7036	72·25	56·7451	614·125	$10\frac{9}{32}$	32·2995	105·6989	83·0152	1086·6910
$8\frac{17}{32}$	26·8017	72·5479	56·9784	620·8687	$10\frac{5}{16}$	32·3977	106·3373	83·5170	1096·5506
$8\frac{9}{16}$	26·8999	73·3078	57·5753	627·6617	$10\frac{11}{32}$	32·4959	106·9771	84·0196	1106·4698
$8\frac{19}{32}$	26·9981	73·8396	57·9931	634·5037	$10\frac{3}{8}$	32·5941	107·6406	84·5404	1116·7714
$8\frac{5}{8}$	27·0963	74·3906	58·4259	641·5323	$10\frac{13}{32}$	32·6922	108·2848	85·0862	1126·8140
$8\frac{21}{32}$	27·1944	74·9263	58·8468	648·5623	$10\frac{7}{16}$	32·7904	108·9309	85·5536	1136·7125
$8\frac{11}{16}$	27·2926	75·4639	59·2686	655·5354	$10\frac{15}{32}$	32·8886	109·5790	86·0633	1146·0732
$8\frac{23}{32}$	27·3908	76·0035	59·6927	662·5987	$10\frac{1}{2}$	32·9868	110·25	86·5903	1157·625
$8\frac{3}{4}$	27·4890	76·5625	60·1317	669·9218	$10\frac{17}{32}$	33·0849	110·9019	87·1016	1167·9085
$8\frac{25}{32}$	27·5871	77·1159	60·5582	677·0674	$10\frac{9}{16}$	33·1831	111·5558	87·6152	1178·2528
$8\frac{13}{16}$	27·6853	77·6512	60·9870	684·3636	$10\frac{19}{32}$	33·2813	112·2116	88·0305	1188·6579
$8\frac{27}{32}$	27·7835	78·2871	61·4866	691·5106	$10\frac{5}{8}$	33·3795	112·8906	88·6638	1199·4628
$8\frac{7}{8}$	27·8817	78·7056	61·8620	699·0449	$10\frac{21}{32}$	33·4776	113·5503	89·1821	1209·9923
$8\frac{29}{32}$	27·9798	79 3168	62·2947	706·3957	$10\frac{11}{16}$	33·5758	114·2119	89·7013	1220·5833
$8\frac{15}{16}$	28·0780	79·8699	62·7291	713·7979	$10\frac{23}{32}$	33·6740	114·8755	90·2228	1231·2358
$8\frac{31}{32}$	28·1762	80·4250	63·1657	721·2516	$10\frac{3}{4}$	33·7722	115·5625	90·8123	1242·2968
9	28·2744	81·	63·6174	729·	$10\frac{25}{32}$	33·8703	116·2299	91·2862	1253·0752
$9\frac{1}{32}$	28·3725	81·5626	64·0587	735·6201	$10\frac{13}{16}$	33·9685	116·8993	91·8124	1263·9157
$9\frac{1}{16}$	28·4707	82·1198	64·3962	744·2922	$10\frac{27}{32}$	34·0667	117·6791	92·4250	1274·8188
$9\frac{3}{32}$	28·5689	82·6826	64·9384	752·0069	$10\frac{7}{8}$	34·1649	118·2656	93·1814	1286·1386
$9\frac{1}{8}$	28·6671	83·2656	65·3963	759·7988	$10\frac{29}{32}$	34·2630	118·9408	93·4154	1297·2341
$9\frac{5}{32}$	28·7652	83·8323	65·8416	767·5688	$10\frac{15}{16}$	34·3612	119·6179	93 9471	1308·2617
$9\frac{3}{16}$	28·8634	84·3701	66·2611	775·3817	$10\frac{31}{32}$	34·4594	120·2970	94·4812	1319·4177
$9\frac{7}{32}$	28·9616	84·9715	66·7362	783·2674	11	34·5576	121·	95·1384	1331·
$9\frac{1}{4}$	29·0598	85·5625	67·2003	791·4531	$11\frac{1}{32}$	34·6557	121·6873	95·5730	1341·0953

9 3/8	29·1579	86·1369	67·6512	799·4371
9 1/16	29·2561	86·7133	68·1043	807·4746
9 1/8	29·3543	87·2916	68·5583	815·5058
9 3/16	29·4525	87·8906	69·0288	823·9746
9 1/4	29·5506	88·4728	69·4859	832·1754
9 5/16	29·6488	89·0569	69·9445	840·4306
9 3/8	29·7470	89·7430	70·4841	848·7401
9 7/16	29·8452	90·25	70·8833	857·375
9 1/2	29·9433	90·8399	71·3449	865·7956
9 9/16	30·0415	91·4318	71·8100	874·2712
9 5/8	30·1397	92·0256	72·2764	882·8020
9 11/16	30·2379	92·6406	72·7594	891·6660
9 3/4	30·3360	93·2383	73·2291	900·3093
9 13/16	30·4342	93·8379	73·6995	909·0084
9 7/8	30·5324	94·4394	74·1763	917·7632
9 15/16	30·6306	95·0625	74·6616	926·8593
10	30·7287	95·6679	75·1368	935·7293
10 1/16	30·8269	96·2753	75·6143	944·6536
10 1/8	30·9251	96·8836	75·9919	953·6356
10 3/16	31·0233	97·5156	76·5882	962·1667
10 1/4	31·1214	98·1288	77·0697	972·0642
10 5/16	31·2196	98·7439	77·5527	980·3188
10 3/8	31·3178	99·3610	78·0381	990·4306
10	31·4160	100·	78·5400	1000·
10 1/16	31·5141	100·6209	79·0269	1009·4043
10 1/8	31·6123	101·2438	79·5092	1018·8674
10 3/16	31·7105	101·8686	80·0071	1028·3742
10 1/4	31·8087	102·5156	80·5157	1037·9707
10 5/16	31·9068	103·1443	81·0092	1047·5338
10 3/8	32·0050	103·7749	81·4940	1057·1474
10 7/16	32·1032	104·4075	82·0012	1066·8360
11 1/16	34·7539	122·3789	96·1156	1353·8166
11 1/16	34·8521	123·0701	96·6591	1365·3036
11 1/8	34·9503	123·7656	97·2050	1376·8925
11 3/16	35·0484	124·4563	97·7477	1388·4281
11 1/4	35·1466	125·1489	98·2912	1400·0415
11 5/16	36·2448	125·8435	98·8370	1411·7126
11 3/8	35·3430	126·5625	99·4017	1423·8281
11 7/16	35·4411	127·2609	99·9500	1435·6309
11 1/2	35·5393	127·9613	100·5005	1441·4987
11 9/16	35·6375	128·6636	101·0519	1459·4317
11 5/8	35·7357	129·3906	101·6229	1471·8183
11 11/16	35·8338	130·0968	102·1773	1483·6845
11 3/4	35·9320	130·8049	102·7334	1496·0165
11 13/16	36·0302	131·5150	103·2918	1508·2142
11 7/8	36·1284	132·25	103·8691	1520·875
11 15/16	36·2265	132·9639	104·4291	1533·2074
11 3/4	36·3247	133·6798	104·9914	1545·6063
11 1/16	36·4229	134·3976	105·5554	1558·0719
11 1/8	36·5211	135·1406	106·1389	1571·0097
11 3/16	36·6192	135·8623	106·7060	1583·6113
11 1/4	36·7174	136·5969	107·2824	1596·3970
11 5/16	36·8156	137·3125	107·8448	1609·0163
11 3/8	36·9138	138·0625	108·3838	1622·2343
11 7/16	37·0119	138·7919	109·0064	1635·1080
11 1/2	37·1101	139·5233	109·5813	1648·0497
11 9/16	37·2083	140·2566	110·1570	1661·0594
11 5/8	37·3065	141·0156	110·7731	1674·5605
11 11/16	37·4046	141·7528	111·3319	1687·7092
11 3/4	37·5028	142·4919	111·9124	1701·0266
11 13/16	37·6010	143·1330	112·4166	1714·2128
12	37·6992	144·	113·0976	1728·

Roots and diam.	Circumf.	Circular area	Square area	Cube	Roots and diam.	Circumf.	Circular area	Square area	Cube
in.	inches	inches	inches	inches	in.	inches	inches	inches	inches
12⅛	38·0919	147·0156	115·4660	1782·5644	19¼	60·4758	370·5625	291·0397	7133·3281
12¼	38·4846	150·0625	117·8590	1838·2656	19⅜	60·8685	375·1406	294·8312	7273·1933
12⅜	38·8773	153·1406	120·2766	1895·1252	19½	61·2612	380·25	298·6483	7418·675
12½	39·2700	156·25	122·7187	1953·125	19⅝	61·6539	385·6406	302·4894	7558·3847
12⅝	39·6627	159·3906	125·1854	1912·3066	19¾	62·0466	390·0625	306·3550	7703·7343
12¾	40·0554	162·5625	127·6765	2072·6718	19⅞	62·4393	395·0156	310·2452	7850·7367
12⅞	40·4481	165·7656	130·1923	2134·2324	20	62·8320	400·	314·1600	8000·
13	40·8408	169·	132·7326	2197·	20⅛	63·2247	405·0156	318·0992	8150·9392
13⅛	41·2335	172·2656	135·2974	2260·9863	20¼	63·6174	410·0625	322·0630	8303·7656
13¼	41·6262	175·5625	137·8867	2326·2031	20⅜	64·0101	415·1406	326·0514	8457·1792
13⅜	42·0189	178·8906	140·5007	2392·6621	20½	64·4028	420·25	330·0648	8615·125
13½	42·4116	182·25	143·1391	2460·375	20⅝	64·7955	425·3906	334·1018	8773·6816
13⅝	42·8043	185·6406	145·8021	2529·3535	20¾	65·1882	430·5625	338·1637	8934·1718
13¾	43·1970	189·0625	148·4896	2599·6093	20⅞	65·5809	435·7656	342·2503	9096·6074
13⅞	43·5897	192·5156	151·2017	2671·1542	21	65·9736	441·	346·3614	9261·
14	43·9824	196·	153·9384	2744·	21⅛	66·3663	446·2656	350·4970	9427·3013
14⅛	44·3751	199·5156	156·6995	2818·0582	21¼	66·7590	451·5625	354·6571	9595·7031
14¼	44·7678	203·0625	159·4852	2893·6406	21⅜	67·1517	456·8906	358·8419	9766·0371
14⅜	45·1605	206·6406	162·2956	2970·4589	21½	67·5444	462·25	363·0511	9938·375
14½	45·5532	210·25	165·1303	3048·625	21⅝	67·9371	467·6406	367·2849	10112·7285
14⅝	45·9459	213·8901	167·9896	3128·1503	21¾	68·3298	473·0625	371·5432	10289·1093
14¾	46·3386	217·5625	170·8735	3209·0468	21⅞	68·7225	478·5156	375·8261	10467·5292
14⅞	46·7313	221·2406	173·7820	3291·3261	22	69·1152	484·	380·1336	10648·
15	47·1240	225·	176·7150	3375·	22⅛	69·5079	489·5156	384·4655	10830·5332
15⅛	47·5167	228·7656	179·6725	3460·0800	22¼	69·9008	495·0625	388·8220	11015·1406
15¼	47·9004	232·5625	182·6545	3546·5781	22⅜	70·2933	500·6406	393·2031	11201·8339

15⅜	48·3021	236·4062	185·6612	3634·5053	22½	70·6860	506·25	397·6087	11390·625
15½	48·6948	240 25	188·6923	3723·875	22⅝	71·0787	511·8906	402·0388	11581·5253
15⅝	49·0875	244·1406	191·7480	3814·6972	22¾	71·4714	517·5625	406·4935	11772·2718
15¾	49·4802	248·0625	194·8282	3906·9843	22⅞	71·8641	523·2656	410·9728	11969·7011
15⅞	49·8729	252·0156	197·9330	4000·7480	23	72·2568	529·	415·4766	12167·
16	50·2656	256·	201·0624	4096·	23⅛	72·6495	534·7656	420·0049	12366·4550
16⅛	50·6583	260·0156	204·2162	4192·7519	23¼	73·0422	540·5625	424·5577	12568·0781
16¼	51·0510	264·0625	207·3946	4291·0156	23⅜	73·4349	546·6405	429·1352	12771·8808
16⅜	51·4437	268·1406	210·5976	4390·8027	23½	73·8276	552·25	433·7371	12977·875
16½	51·8364	272·25	213·8251	4492·125	23⅝	74·2203	558·1406	438·3636	13186·0722
16⅝	52·2291	276·3906	217·0772	4594·9971	23¾	74·6130	564·0625	443·0146	13396·4843
16¾	52·6218	280·5625	220·3537	4699·4218	23⅞	75·0057	570·0156	447·6992	13609·1230
16⅞	53·0145	284·7656	223·6549	4805·4199	24	75·3984	576·	452·3904	13824·
17	53·4072	289·	226·9806	4913·	24⅛	75·7911	582·0156	457·1150	14041·1569
17⅛	53·7999	293·2656	230 3308	5022·1738	24¼	76·1838	588·0625	461·8642	14260·2156
17¼	54;1926	297·5625	233·7055	5132·0531	24⅜	76·5765	594·1406	466·6380	14482·1777
17⅜	54·5853	301·8906	237·1049	5245·3496	24½	76·9692	600·25	471·4363	14706·125
17½	54·9780	306·2625	240·5287	5359·375	24⅝	77·3619	606·3906	476·2592	14932·3691
17⅝	55·3707	310·6406	243·9771	5475·0410	24¾	77·7546	612·6125	481·1065	15160·9218
17¾	55·7634	315·0625	247·4500	5592·3593	24⅞	78·1473	618·7656	485·9785	15391·6949
17⅞	56·1561	319·5156	250·9475	5711·3417	25	78·5400	625·	490·8750	15625·
18	56·5488	324·	254·4696	5832·	25⅛	78·9327	631·2656	495·7960	15860·5488
18⅛	56·9415	328·5156	258·0161	5954·3457	25¼	79·3254	637·5625	500·7,15	16098·4531
18¼	57·3342	333·0625	261·5872	6078·3906	25⅜	79·7181	643·8906	505·7117	16238·7246
18⅜	57·7269	337·6406	265·1829	6204·1464	25½	80·1108	650·25	510·7063	16581·375
18½	58·1196	342·25	268·8031	6331·625	25⅝	80·5035	656·6406	515·7255	16826·4160
18⅝	58·5123	346·6406	272·4479	6460·8378	25¾	80·8962	663·0625	520·7692	17073·8593
18¾	58·9050	351·5625	276·1171	6591·7968	25⅞	81·2889	669·5156	525·8375	17323·7167
18⅞	59·2977	356·2656	279·8110	6724·5136	26	81·6816	676	530·9304	17576·
19	59·6904	361·	283·5294	6859·	26⅛	82·0743	682·5156	536·0477	17830·7207
19⅛	60·0831	365·7656	287·2723	6995·2075	26¼	82·4670	689 0625	541·1896	18087·8906

Roots and diam.	Circumf.	Circular area	Square area.	Cube.	Roots and diam	Circumf.	Circular area.	Square area.	Cube.
inch	inches	inches	inches	inches	inch	inches.	inches.	inches.	inches.
26⅛	82-8597	695-6406	546-3561	18347-5214	33⅛	105-2436	1122-25	881-4151	37595-375
26¼	83-2524	702-25	551-5471	18609-625	33¼	105-6363	1130-6406	888-0051	38017-7910
26⅜	83-6451	708-8206	556-7627	18873-9466	33⅜	106-0290	1139-0625	894-6196	38443-3592
26½	84-0378	715-5625	562-0027	19141-2968	33½	106-4217	1147-5156	901-2587	38872-0917
26⅝	84-4305	722-2656	567-2674	19408-2010	34	106-8144	1156-	907-9224	39304-
27	84-8232	729-	572-5566	19683-	34⅛	107-2071	1164-5156	914-6105	39739-0957
27⅛	85-2159	735-7656	577-8703	19957-6425	34¼	107-5998	1173-0625	921-3232	40177-3906
27¼	85-6086	742-5625	583-2085	20234-8281	34⅜	107-9925	1181-6406	928-0605	40618-8864
27⅜	86-0013	749-3906	588-5714	20514-5678	34½	108-3852	1190-25	934-8223	41063-625
27½	86-3940	756-25	593-9587	20796-875	34⅝	108-7779	1198-8905	941-6087	41511-5879
27⅝	86-7867	763-1406	599-3706	21081-7597	34¾	109-1706	1207-5625	948-4195	41962-7968
27¾	87-1794	770-0625	604-8070	21369-2343	34⅞	109-5633	1216-2656	955-2550	42417-2636
27⅞	87-5721	777-5156	610-2686	21659-3105	35	109-9560	1225-	962-1150	42875-
28	87-9648	784-	615-7536	21952-	35⅛	110-3487	1233-7656	968-9995	43336-0175
28⅛	88-3575	791-0156	621-2636	22247-3124	35¼	110-7414	1242-5625	975-9085	43800-3281
28¼	88-7502	798-0625	626-7982	22545-2656	35⅜	111-1341	1251-3906	982-8422	44267-9433
28⅜	89-1429	805-1406	632-3574	22845-2977	35½	111-5268	1260-25	989-8003	44738-875
28½	89-5356	812-25	637-9411	23149-115	35⅝	111-9195	1269-1406	996-7830	45213-1347
28⅝	89-9283	819-3906	643-5494	23455-0566	35¾	112-3122	1278-0625	1003-7902	45690-7343
28¾	90-3210	826-5625	649-1828	23763-6718	35⅞	112-7049	1287-0156	1010-8220	46171-6854
28⅞	90-7137	833-7656	654-8395	24074-9825	36	113-0977	1296-	1017-8784	46656-
29	91-1064	841-	660-5214	24389-	36⅛	113-4903	1305-0156	1024-9592	47143-6894
29⅛	91-4991	848-2656	666-2278	24705-7383	36¼	113-8830	1314-0625	1032-0646	47634-7656
29¼	91-8918	855-5625	671-9587	25025-2031	36⅜	114 2757	1323 1406	1039-1946	48129-2402
29⅜	92-2845	862-8906	677-7143	25347-4121	36½	114 6684	1332-25	1016-3491	48627-125
29½	92-6772	870-25	683-4943	25672-375	36⅝	115-0611	1341-3906	1053-5281	40128-4316

29⅛	93-0699	877-6406	689-2989	26000-1035	36¾	115-4538	1350-5625	1060-7317	49633-1718
29¼	93-4626	885-0625	695-1280	26330-9063	36⅞	115-8465	1359-	1067-9599	50141-3574
29⅜	93-8553	892-5156	700-9817	26663-9042	37	116-2392	1369-7656	1075-2126	50653-
30	94-2480	900-	706-8600	27000-	37⅛	116-6319	1378-2656	1082-4898	51168-1113
30⅛	94-6407	907-5156	712-7627	27338-9082	37¼	117-0246	1387-5625	1089-7915	51686-7031
30¼	95-0334	915-0625	718-6900	27680-6406	37⅜	117-4173	1396-8906	1097-1179	52208-7870
30⅜	95-4261	922-6656	724-6419	28025-2089	37½	117-8100	1406-25	1104-4687	52734-375
30½	95-8188	930-25	730-6183	28372-625	37⅝	118-2027	1415-6406	1111-8441	53263-4785
30⅝	96-2115	937-8906	736-6193	28722-9003	37¾	118-5954	1425-0625	1119-2440	53796-1093
30¾	96-6042	945-5625	742-6447	29076-0468	37⅞	118-9881	1434-5156	1126-6685	54332-2792
30⅞	96-9969	953-2656	748-6948	29432-0761	38	119-3808	1444-	1134-1176	54872-
31	97-3896	961-	754-7694	29791-	38⅛	119-7735	1453-5156	1141-5911	55415-2832
31⅛	97-7823	968-7656	760-8685	30152-8300	38¼	120-1662	1463-0625	1149-0892	55962-1406
31¼	98-1750	976-5625	766-9921	30517-5781	38⅜	120-5589	1472-6406	1156-6119	56512-5889
31⅜	98-5677	984-3906	773-1404	30885-2558	38½	120-9516	1482-25	1164-1591	57066-625
31½	98-9604	992-25	779-3131	31255-875	38⅝	121-3443	1491-8906	1171-7309	57624-1653
31⅝	99-3531	1000-1406	785-5104	31629-4472	38¾	121-7370	1501-5625	1179-3271	58185-2468
31¾	99-7458	1008-0625	791-7322	32005-5842	38⅞	122-1297	1511-2656	1186-9480	58750-4511
31⅞	100-1385	1016-5156	797-9786	32385-4980	39	122-5224	1521-	1194-5934	59319-
32	100-5312	1024-	804-2496	32768-	39⅛	122-9151	1530-7656	1202-2633	59852-0800
32⅛	100-9239	1032-0156	810-5450	33153-5019	39¼	123-3078	1540-5625	1209-9577	60467-0781
32¼	101-3166	1040-0625	816-8650	33541-0156	39⅜	123-7005	1550-3906	1217 6768	61051-6308
32⅜	101-7093	1046-8906	823-2096	33933-5527	39½	124-0932	1560-25	1225-4203	61629-875
32½	102-1020	1056-25	829-5787	34328-125	39⅝	124-4859	1570-1406	1233-1884	62216-8222
32⅝	102-4947	1064-3906	835-9724	34725-7441	39¾	124-8786	1580-0625	1240-9810	62807-4843
32¾	102-8874	1072-5625	842-3905	35126-4218	39⅞	125-2713	1590-0625	1248-7982	63401-8730
32⅞	103-2801	1080-7656	848-8333	35530-1699	40	125-6640	1600-	1256-6400	64000
33	103-6728	1089-	855-3006	35937-	40⅛	126-0567	1610-0156	1264-5062	64601-8769
33⅛	104-0655	1097-2656	861-7924	36346-9238	40¼	126-4494	1620-0625	1272-3970	65207-5156
33¼	104-4582	1105-5625	868-3087	36759-9431	40⅜	126-8421	1630-1406	1280-3124	65816-9277
33⅜	104-8509	1113-8906	874-8497	37176-0996	40½	127-2348	1640-25	1288-2523	66430-125

Roots and diam.	Circumf.	Circular area.	Square area	Cube.	Roots and diam.	Circumf.	Circular area	Square area	Cube.
in.	inches	inches	inches	inches	in.	inches	inches	inches	inches.
40⅛	127·6275	1650·3906	1296·2168	67047·1181	45$\frac{3}{16}$	142·5505	2058·8906	1617·0427	93422·1621
40$\frac{3}{16}$	128·0202	1660·5625	1304·2057	67665·9218	45¼	142·9428	2070·25	1625·9743	94196·375
40⅜	128·4129	1670·7656	1312·2193	68292·5449	45$\frac{5}{16}$	143·3355	2081·6406	1634·9205	94974·8535
41	128·8056	1681·	1320·2574	68921·	45⅜	143·7282	2093·0625	1643 8912	95757·6093
41¼	129·1983	1691·2656	1328·3200	69553·2986	45$\frac{7}{16}$	144·1209	2104·5156	1652·8865	96544·6532
41¼	129·5910	1701·5625	1336·4071	69983·2031	46	144·5136	2116·	1661·9064	97336·
41$\frac{5}{16}$	129·9837	1711·8906	1344·5189	70829·4746	46⅛	144·9063	2127·5156	1670·9507	98131·6582
41⅜	130·3764	1722·25	1352·6551	71473·375	46$\frac{1}{16}$	145·2990	2139·0625	1680·0196	98931·6406
41⅞	130·7691	1732·6406	1360·8159	72121·1860	46$\frac{3}{16}$	145·6917	2150·6406	1689·1031	99735·9589
41$\frac{3}{16}$	131 1618	1743·0625	1369·0012	72772·8593	46¼	146·0844	2162·25	1698·2311	100544·625
41$\frac{7}{16}$	131·5545	1753·5156	1377·2111	73428·4667	46⅜	146·4771	2173·8906	1707·3737	101357·6504
42	131·9472	1764·	1385·4456	74088·	46$\frac{5}{16}$	146·8698	2185·5625	1716·5407	102175·0468
42⅛	132·3399	1774·5156	1393·7045	74751·4707	46$\frac{7}{16}$	147·2625	2198·0156	1725·7324	102996·8261
42¼	132·7326	1785·0625	1401·9880	75418·8906	47	147·6552	2209·	1734·9486	103823·
42⅜	133·1253	1795·6406	1410·2961	76090·2714	47⅛	148·0479	2220·7656	1744·1893	104653·5800
42⅛	133·5180	1806·25	1418 6287	76765·625	47¼	148·4406	2232·5625	1753 4545	105488·5781
42⅝	133·9107	1816·8906	1426·9859	77444·9628	47⅜	148·8333	2244·3906	1762·7344	106328·0058
42$\frac{13}{16}$	134·3034	1827·5625	1435·3675	78128·2965	47⅛	149·2260	2256·25	1772·0587	107171·8750
42⅞	134·6961	1838·2656	1443·7738	78802·6386	47⅞	149·6187	2268·1406	1781·3976	108020·2072
43	135·0888	1849·	1452·2046	79507·	47$\frac{15}{16}$	150·0114	2280·0625	1790·7610	108872·9843
43⅛	135·4815	1859·7656	1460·6599	80202·3925	47⅞	150·4041	2292·0156	1800·1490	109730·2480
43¼	135·8742	1870·5625	1469·1397	80901·8281	48	150·7968	2304·	1809·5616	110592·
43$\frac{5}{16}$	136·2669	1881·3906	1477·6342	81605·3183	48⅛	151·1895	2316·0156	1818·9980	111457·1894
43⅜	136·6596	1892·25	1486·1731	82312·878	48¼	151·5822	2328·0625	1828·4602	112329·0156
43$\frac{7}{16}$	137·0523	1903·1406	1494·7266	83024 4997	48$\frac{5}{16}$	151·9749	2340·1406	1837·9364	113204·3027
43$\frac{3}{16}$	137·4450	1914·0625	1503·3046	83740·2343	48¼	152·3676	2352·25	1847·4571	114084·125

43⅞	137·8377	1925·0156	1511·9072	84460·0605	48⅛	152·7603	2364·3906	1856·9924	114968·4941
44	138·2304	1936·	1520·5344	85184·	48¼	153·1530	2376·5625	1866·5521	115857·4218
44⅛	138·6231	1947·0156	1529·1860	85913·0644	48⅞	153·5457	2388·7656	1876·1365	116750·9199
44¼	139·0158	1958·0625	1537·8622	86644·2656	49	153·9384	2401·	1885·7454	117649·
44⅜	139·4085	1969·1406	1546·5630	87380·6152	49⅛	154·3311	2413·2656	1895·3788	118541·6738
44½	139·8012	1980·25	1555·2883	88121·125	49¼	154·7238	2425·5625	1905·0367	119458·9531
44⅝	140·1939	1991·3906	1564·0382	88865·8066	49⅜	155·1165	2437·8906	1914·7093	120370·8496
44¾	140·5866	2002·5625	1572·8125	89614·6718	49½	155·5092	2450·25	1924·4263	121287·375
44⅞	140·9793	2013·7656	1581·6115	90367·7324	49⅝	155·9019	2462·6406	1934·1579	122407·0410
45	141·3720	2025·	1590·4350	91125·	49¾	156·2946	2475·0625	1943·9140	123134·3593
45⅛	141·7647	2036·2656	1599·2830	91886·4863	49⅞	156·6873	2487·5156	1953·6947	124064·8417
45¼	142·1574	2047·5625	1608·1555	92652·2031	50	157·0800	2500·	1963·5000	125000·

SQUARE AND CUBE ROOTS,
Slightly different to preceding table.

No.	Square root	Cube root	No.	Square root	Cube root	No.	Square root	Cube root	No.	Square root	Cube root	No.	Square root	Cube root
1	1·	1·	10	3·1622	2·154	19	4·3588	2·668	28	5·2915	3·036	37	6·0827	3·332
2	1·4142	1·259	11	3·3166	2·223	20	4·4721	2·714	29	5·3851	3·072	38	6·1644	3·361
3	1·7320	1·442	12	3·4641	2·289	21	4·5825	2·758	30	5·4772	3·107	39	6·2449	3·391
4	2·	1·587	13	3·6055	2·351	22	4·6904	2·802	31	5·5677	3·141	40	6·3245	3·419
5	2·2360	1·709	14	3·7416	2·410	23	4·7958	2·843	32	5·6568	3·174	41	6·4031	3·448
6	2·4494	1·817	15	3·8729	2·466	24	4·8989	2·884	33	5·7445	3·207	42	6·4807	3·476
7	2·6457	1·912	16	4·	2·519	25	5·	2·924	34	5·8309	3·239	43	6·5574	3·503
8	2·8284	2·	17	4·1231	2·571	26	5·0990	2·962	35	5·9160	3·271	44	6·6332	3·530
9	3·	2·080	18	4·2426	2·620	27	5·1961	3·	36	6·	3·301	45	6·7082	3·556

No.	Square rooot	Cube root	No.	Square root	Cube root	No.	Square root	Cube root
46	6·7823	3·583	90	9·4868	4·481	134	11·5758	5·117
47	6·8556	3·608	91	9·5393	4·497	135	11·6189	5·129
48	6·9282	3·634	92	9·5916	4·514	136	11·6619	5·142
49	7·	3·659	93	9·6136	4·530	137	11·7046	5·155
50	7·0710	3·684	94	9·6953	4·546	138	11·7473	5·167
51	7·1414	3·708	95	9·7467	4·562	139	11·7898	5·180
52	7·2111	3·732	96	9·7979	4.578	140	11·8321	5·192
53	7·2801	3·756	97	9·8488	4·594	141	11·8743	5·204
54	7·3484	3·779	98	9·8994	4·610	142	11·9163	5·217
55	7·4161	3·802	99	9·9498	4·626	143	11·9582	5·229
56	7·4833	3·825	100	10·	4·641	144	12·	5·241
57	7·5498	3·848	101	10 0498	4·657	145	12·0415	5·253
58	7·6157	3·870	102	10 0995	4·672	146	12·0830	5·265
59	7·6811	3·892	103	10·1488	4·687	147	12·1243	5·277
60	7·7459	3·914	104	10·1980	4·702	148	12·1655	5·289
61	7·8102	3·936	105	10·2469	4·717	149	12·2065	5·301
62	7·8740	3·957	106	10 2956	4·732	150	12·2474	5·313
63	7·9372	3·979	107	10·3440	4·747	151	12·2882	5·325
64	8·	4·	108	10·3923	4·762	152	12·3288	5·336
65	8·0622	4.020	109	10·4403	4·776	153	12·3693	5·348
66	8·1240	4.041	110	10·4880	4·791	154	12·4096	5·360
67	8·1853	4.061	111	10·5356	4·805	155	12·4498	5·371
68	8·2462	4.081	112	10·5830	4·820	156	12·4899	5·383
69	8·3066	4.101	113	10·6301	4·834	157	12·5299	5·394
70	8·3666	4.121	114	10·6770	4·848	158	12·5698	5·406
71	8·4261	4.140	115	10·7238	4·862	159	12·6095	5·417
72	8·4852	4.160	116	10·7703	4·876	160	12·6491	5·428
73	8·5440	4.179	117	10·8166	4·890	161	12·6885	5·440
74	8·6023	4·198	118	10·8627	4·904	162	12·7279	5·451
75	8·6602	4·217	119	10·9087	4·918	163	12·7671	5·462
76	8·7177	4·235	120	10·9544	4·932	164	12·8062	5·473
77	8·7749	4·254	121	11·	4·946	165	12·8452	5·484
78	8·8317	4·272	122	11·0453	4·959	166	12·8840	5·495
79	8·8881	4·290	123	11 0905	4·973	167	12·9228	5·506
80	8·9442	4·308	124	11·1355	4·986	168	12·9614	5·517
81	9.	4·326	125	11·1803	5·	169	13·	5·528
82	9.0553	4·344	126	11·2249	5·013	170	13·0384	5·539
83	9.1104	4·362	127	11·2694	5·026	171	13·0766	5·550
84	9.1651	4·379	128	11·3137	5·039	172	13·1148	5·561
85	9·2195	4·396	129	11·3578	5·052	173	13·1529	5·572
86	9·2736	4·414	130	11·4017	5·065	174	13·1909	5·582
87	9·3273	4·431	131	11·4455	5·078	175	13·2287	5·593
88	9·3808	4·447	132	11·4891	5·091	176	13·2664	5·604
89	9·4339	4·464	133	11·5325	5·104	177	13·3041	5·614

No.	Square root	Cube root	No.	Square root	Cube root	No.	Square root	Cube root
178	13·3416	5·625	222	14·8996	6·055	266	16·3095	6·431
179	13·3790	5·635	223	14·9331	6·064	267	16·3401	6·439
180	13·4164	5·646	224	14·9666	6·073	268	16·3707	6·447
181	13·4536	5·656	225	15·	6·082	269	16·4012	6·455
182	13·4907	5·667	226	15·0332	6·091	270	16·4316	6·463
183	13·5277	5·677	227	15·0665	6·100	271	16·4620	6·471
184	13·5646	5·687	228	15·0996	6·109	272	16·4924	6·479
185	13·6014	5·698	229	15·1327	6·118	273	16·5227	6·487
186	13·6381	5·708	230	15·1657	6·126	274	16·5529	6·495
187	13·6747	5·718	231	15 1986	6·135	275	16·5831	6·502
188	13·7113	5·728	232	15·2315	6·144	276	16·6132	6·510
189	13·7477	5·738	233	15·2643	6·153	277	16·6433	6·518
190	13·7840	5·748	234	15·2970	6·162	278	16·6733	6·526
191	13·8202	5·758	235	15·3297	6·171	279	16·7032	6·534
192	13·8564	5·768	236	15·3622	6·179	280	16·7332	6·542
193	13·8924	5·778	237	15·3948	6·188	281	16·7630	6·549
194	13·9283	5·788	238	15·4272	6·197	282	16·7928	6·557
195	13·9642	5·798	239	15·4596	6·205	283	16·8226	6·565
196	14·	5·808	240	15.4919	6·214	284	16·8522	6·573
197	14·0356	5·818	241	15·5241	6·223	285	16·8819	6·580
198	14·0712	5·828	242	15·5563	6·231	286	16·9115	6·588
199	14·1067	5·838	243	15·5884	6·240	287	16·9410	6·596
200	14·1421	5·848	244	15·6204	6·248	288	16·9705	6·603
201	14·1774	5·857	245	15·6524	6·257	289	17·	6·611
202	14·2126	5·867	246	15·6843	6·265	290	17·0293	6·619
203	14·2478	5·877	247	15·7162	6·274	291	17·0587	6·626
204	14·2828	5·886	248	15·7480	6·282	292	17·0880	6·634
205	14·3178	5·896	249	15·7797	6·291	293	17·1172	6·641
206	14·3527	5·905	250	15·8113	6·299	294	17·1464	6·649
207	14·3874	5·915	251	15·8429	6·307	295	17·1755	6·656
208	14·4222	5·924	252	15·8745	6·316	296	17·2046	6·664
209	14·4568	5·934	253	15·9059	6·324	297	17·2336	6·671
210	14·4913	5 943	254	15·9373	6·333	298	17·2626	6·679
211	14·5258	5·953	255	15·9687	6·341	299	17·2916	6·686
212	14·5602	5·962	256	16·	6·349	300	17·3205	6·694
213	14·5945	5·972	257	16 0312	6·357	301	17·3493	6·701
214	14·6287	5·981	258	16 0623	6·366	302	17·3781	6·709
215	14 6628	5·990	259	16·0934	6·374	303	17·4068	6·716
216	14·6969	6·	260	16·1245	6·382	304	17·4355	6·723
217	14·7309	6·009	261	16·1554	6·390	305	17·4642	6·731
218	14·7648	6·018	262	16·1864	6·398	306	17·4928	6·738
219	14·7986	6·027	263	16·2172	6·406	307	17·5214	6·745
220	14·8323	6·036	264	16·2480	6·415	308	17·5499	6·753
221	14·8660	6·045	265	16·2788	6·423	309	17·5783	6 760

No.	Square root	Cube root	No.	Square root	Cube root	No.	Square root	Cube root
310	17·6068	6·767	354	18·8148	7·074	398	19·9499	7·355
311	17·6351	6·775	355	18·8414	7·080	399	19·9749	7·361
312	17·6635	6·782	356	18·8679	7·087	400	20·	7·368
313	17·6918	6·789	357	18·8944	7·093	401	20·0249	7·374
314	17·7200	6·796	358	18·9208	7·100	402	20·0499	7·380
315	17·7482	6·804	359	18·9472	7·107	403	20·0748	7·386
316	17·7763	6·811	360	18·9736	7·113	404	20·0997	7·392
317	17·8044	6·818	361	19·	7·120	405	20·1246	7·398
318	17·8325	6·825	362	19·0262	7·126	406	20·1494	7·404
319	17·8605	6·832	363	19·0525	7·133	407	20·1742	7·410
320	17·8885	6·839	364	19·0787	7·140	408	20·1990	7·416
321	17·9164	6·847	365	19·1049	7·146	409	20·2237	7·422
322	17·9443	6·854	366	19·1311	7·153	410	20·2484	7·428
323	17·9722	6·861	367	19·1572	7·159	411	20·2731	7·434
324	18·	6·868	368	19·1833	7·166	412	20·2977	7·441
325	18·0277	6·875	369	19·2093	7·172	413	20·3224	7·447
326	18·0554	6·882	370	19·2353	7·179	414	20·3469	7·453
327	18·0831	6·889	371	19·2613	7·185	415	20·3715	7·459
328	18·1107	6·896	372	19·2873	7·191	416	20·3960	7·465
329	18·1383	6·903	373	19·3132	7·198	417	20·4205	7·470
330	18·1659	6·910	374	19·3390	7·204	418	20·4450	7·476
331	18·1934	6·917	375	19·3649	7·211	419	20·4694	7·482
332	18·2208	6·924	376	19·3907	7·217	420	20·4939	7·488
333	18·2482	6·931	377	19·4164	7·224	421	20·5182	7·494
334	18·2756	6·938	378	19·4422	7·230	422	20·5426	7·500
335	18·3030	6·945	379	19·4679	7·236	423	20·5669	7·506
336	18·3303	6·952	380	19·4935	7·243	424	20·5912	7·512
337	18·3575	6·958	381	19·5192	7·249	425	20·6155	7·518
338	18·3847	6·965	382	19·5448	7·255	426	20·6397	7·524
339	18·4119	6·972	383	19·5703	7·262	427	20·6639	7·530
340	18·4390	6·979	384	19·5959	7·268	428	20·6881	7·536
341	18·4661	6·986	385	19·6214	7·274	429	20·7123	7·541
342	18·4932	6·993	386	19·6468	7·281	430	20·7364	7·547
343	18·5202	7·	387	19·6723	7·287	431	20·7605	7·553
344	18·5472	7·006	388	19·6977	7·293	432	20·7846	7·559
345	18·5741	7·013	389	19·7230	7·299	433	20·8086	7·565
346	18·6010	7·020	390	19·7484	7·306	434	20·8326	7·571
347	18·6279	7·027	391	19·7737	7·312	435	20·8566	7·576
348	18·6547	7·033	392	19·7989	7·318	436	20·8806	7·582
349	18·6815	7·040	393	19·8242	7·324	437	20·9045	7·588
350	18·7082	7·047	394	19·8494	7·331	438	20·9284	7·594
351	18·7349	7·054	395	19·8746	7·337	439	20·9523	7·600
352	18·7616	7·060	396	19·8999	7·343	440	20·9761	7·605
353	18·7882	7·067	397	19·9248	7·349	441	21·	7·611

No	Square root	Cube root	No	Square root	Cube root	No	Square root	Cube root
442	21·0237	7·617	486	22·0454	7·862	530	23·0217	8·092
443	21·0475	7·623	487	22 0680	7·867	531	23·0434	8·097
444	21·0713	7·628	488	22·0907	7·872	532	23·0651	8·102
445	21·0950	7·634	489	22·1133	7·878	533	23·0867	8·107
446	21·1187	7·640	490	22 1359	7·883	534	23 1084	8·112
447	21·1423	7·646	491	22·1585	7·889	535	23 1300	8·118
448	21·1660	7.651	492	22·1810	7·894	536	23·1516	8·123
449	21·1896	7·657	493	22·2036	7·899	537	23·1732	8·128
450	21·2132	7·663	494	22·2261	7·905	538	23·1948	8·133
451	21·2367	7·668	495	22 2485	7·910	539	23·2163	8·138
452	21·2602	7·674	496	22·2710	7·915	540	23.2379	8·143
453	21·2837	7·680	497	22·2934	7·921	541	23 2594	8·148
454	21·3072	7·685	498	22·3159	7·926	542	23·2808	8·153
455	21·3307	7·691	499	22·3383	7·931	543	23·3023	8·158
456	21·3541	7·697	500	22·3606	7·937	544	23·3238	8·163
457	21·3775	7·702	501	22 3830	7·942	545	23·3452	8·168
458	21·4009	7·708	502	22 4053	7·947	546	23 3666	8·173
459	21·4242	7·713	503	22 4276	7·952	547	23·3880	8·178
460	21·4476	7·719	504	22·4499	7·958	548	23 4093	8·183
461	21·4709	7·725	505	22·4722	7·963	549	23 4307	8·188
462	21·4941	7·730	506	22·4944	7·968	550	23·4520	8·193
463	21·5174	7·736	507	22 5166	7·973	551	23 4733	8·198
464	21·5406	7·741	508	22·5388	7·979	552	23·4946	8·203
465	21·5638	7·747	509	22·5610	7·984	553	23·5159	8·208
466	21·5870	7·752	510	22·5831	7·989	554	23·5372	8·213
467	21·6101	7·758	511	22 6053	7·994	555	23·5584	8·217
468	21·6333	7·763	512	22 6274	8·	556	23·5796	8·222
469	21·6564	7·769	513	22·6495	8·005	557	23 6008	8 227
470	21·6794	7·774	514	22 6715	8·010	558	23·6220	8·232
471	21·7025	7·780	515	22 6936	8·015	559	23 6431	8·237
472	21·7255	7·785	516	22·7156	8·020	560	23 6643	8·242
473	21·7485	7·791	517	22·7376	8·025	561	23·6854	8·247
474	21·7715	7·796	518	22·7596	8·031	562	23·7065	8·252
475	21·7944	7·802	519	22·7815	8·036	563	23·7276	8·257
476	21·8174	7·807	520	22 8035	8·041	564	23·7486	8·262
477	21·8403	7·813	521	22·8254	8·046	565	23·7697	8·267
478	21 8632	7·818	522	22·8473	8·051	566	23·7907	8·271
479	21 8860	7·824	523	22·8691	8·056	567	23·8117	8·276
480	21 9089	7·829	524	22 8910	8·062	568	23·8327	8·281
481	21·9317	7·835	525	22·9128	8·067	569	23·8537	8·286
482	21·9544	7·840	526	22·9346	8·072	570	23 8746	8·291
483	21 9772	7·846	527	22·9564	8·077	571	23 8956	8·296
484	22·	7·851	528	22·9782	8·082	572	23·9165	8·301
485	22 0227	7·856	529	23·	8·087	573	23·9374	8·305

No	Square root	Cube root	No	Square root	Cube root	No	Square root	Cube root
574	23·9582	8·310	618	24·8596	8·517	662	25·7293	8 715
575	23·9791	8·315	619	24 8797	8·522	663	25 7487	8·719
576	24·	8·320	620	24 8997	8·527	664	25·7681	8 724
577	24·0208	8·325	621	24·9198	8·531	665	25·7875	8·728
578	24·0416	8·329	622	24 9399	8·536	666	25·8069	8·732
579	24·0624	8·334	623	24 9599	8·540	667	25·8263	8·737
580	24·0831	8·339	624	24·9799	8·545	668	25.8456	8·741
581	24·1039	8·344	625	25·	8·549	669	25·8650	8·745
582	24 1246	8·349	626	25·0199	8·554	670	25 8843	8·750
583	24·1453	2·353	627	25 0399	8·558	671	25 9036	8·754
584	24·1660	8·358	628	25·0599	8·563	672	25·9229	8·759
585	24·1867	8·363	629	25·0798	8·568	673	25.9422	8·763
586	24·2074	8·368	630	25·0998	8·572	674	25·9615	8 767
587	24·2280	8·372	631	25·1197	8·577	675	25 9807	8·772
588	24 2487	8·377	632	25·1396	8·581	676	26·	8·776
589	24·2693	8·382	633	25·1594	8·586	677	26 0192	8·780
590	24·2899	8·387	634	25·1793	8·590	678	26 0384	8·785
591	24·3104	8·391	635	25·1992	8·595	679	26·0576	8 789
592	24·3310	8·396	636	25·2190	8·599	680	26·0768	8 793
593	24·3515	8·401	637	25·2388	8·604	681	26·0959	8·797
594	24·3721	8·406	638	25·2586	8·608	682	26·1151	8 802
595	24·3926	8·410	639	25 2784	8·613	683	26·1342	8·806
596	24·4131	8·415	640	25 2982	8·617	684	26·1533	8·810
597	24·4335	8·420	641	25 3179	8·622	685	26·1725	8 815
598	24·4540	8·424	642	25 3377	8·626	686	26 1916	8 819
599	24 4744	8·429	643	25·3574	8·631	687	26 2106	8·823
600	24 4948	8·434	644	25 3771	8·635	688	26·2297	8·828
601	24·5153	8·439	645	25 3968	8 640	689	26 2488	8·832
602	24 5356	8·443	646	25·4165	8 644	690	26 2678	8·836
603	24 5560	8·448	647	25 4361	8 649	691	26 2868	8 840
604	24·5764	8·453	648	25·4558	8·653	692	26·3058	8 845
605	24 5967	8·457	649	25·4754	8 657	693	26·3248	8 849
606	24·6170	8·462	650	25 4950	8·662	694	26·3438	8·853
607	24·6373	8·466	651	25·5147	8·666	695	26·3628	8·857
608	24·6576	8·471	652	25·5342	8·671	696	26 3818	8 862
609	24 6779	8·476	653	25·5538	8·675	697	26·4007	8 866
610	24.6981	8·480	654	25·5734	8 680	698	26 4196	8·870
611	24·7184	8·485	655	25·5929	8·684	699	26 4386	8·874
612	24·7386	8·490	656	25·6124	8·688	700	26·4575	8·879
613	24·7588	8·494	657	25·6320	8 693	701	26 4764	8·883
614	24 7790	8·499	658	25·6515	8·697	702	26;4952	8·887
615	24·7991	8·504	659	25 6709	8 702	703	26·5141	8·891
616	24·8193	8·508	660	25 6904	8·706	704	26·5329	8·895
617	24·8394	8·513	661	25·7099	8 710	705	26 5518	8 900

No.	Square root	Cube root	No.	Square root	Cube root	No.	Square root	Cube root
706	26·5706	8·904	750	27·3861	9·085	794	28·1780	9·259
707	26·5894	8·908	751	27·4043	9·089	795	28·1957	9·263
708	26·6082	8·912	752	27·4226	9·093	796	28·2134	9·267
709	26·6270	8·916	753	27·4408	9·097	797	28·2311	9·271
710	26·6458	8·921	754	27·4590	9·101	798	28·2488	9·275
711	26·6645	8·925	755	27·4772	9·105	799	28·2665	9·279
712	26·6833	8·929	756	27·4954	9·109	800	28·2842	9·283
713	26·7020	8·933	757	27·5136	9·113	801	28·3019	9·287
714	26·7207	8·937	758	27·5317	9·117	802	28·3196	9·290
715	26·7394	8·942	759	27 5499	9·121	803	28·3372	9·294
716	26·7581	8·946	760	27·5680	9·125	804	28·3548	9·298
717	26·7768	8·950	761	27·5862	9·129	805	28·3725	9·302
718	26·7955	8·954	762	27·6043	9·133	806	28·3901	9·306
719	26·8141	8·958	763	27·6224	9·137	807	28·4077	9·310
720	26·8328	8·962	764	27·6405	9·141	808	28·4253	9·314
721	26·8514	8·966	765	27·6586	9·145	809	28·4429	9·317
722	26·8700	8·971	766	27·6767	9·149	810	28·4604	9·321
723	26·8886	8·975	767	27·6947	9·153	811	28·4780	9·325
724	26·9072	8·979	768	27.7128	9·157	812	28·4956	9·329
725	26·9258	8·983	769	27·7308	9·161	813	28·5131	9·333
726	26·9443	8·987	770	27·7488	9·165	814	28·5306	9·337
727	26·9629	8·991	771	27·7668	9·169	815	28·5482	9·340
728	26·9814	8·995	772	27·7848	9·173	816	28·5653	9·344
729	27·	9·	773	27·8028	9·177	817	28·5832	9·348
730	27·0185	9·004	774	27·8208	9·181	818	28·6006	9·352
731	27·0370	9·008	775	27·8388	9·185	819	28·6181	9·356
732	27·0554	9·012	776	27·8567	9·189	820	28·6356	9·359
733	27·0739	9·016	777	27·8747	9·193	821	28·6530	9·363
734	27·0924	9·020	778	27·8926	9·197	822	28·6705	9·367
735	27·1108	9·024	779	27·9105	9·201	823	28·6879	9·371
736	27·1293	9 028	780	27·9284	9·205	824	28·7054	9·375
737	27·1477	9·032	781	27·9463	9·209	825	28·7228	9·378
738	27·1661	9·036	782	27·9642	9·213	826	28·7402	9·382
739	27·1845	9·040	783	27·9821	9·216	827	28·7576	9·386
740	27·2029	9·045	784	28·	9·220	828	28·7749	9·390
741	27·2213	9·049	785	28 0178	9·224	829	28·7923	9·394
742	27·2396	9·053	786	28 0356	9·228	830	28·8097	9·397
743	27·2580	9·057	787	28·0535	9·232	831	28·8270	9·401
744	27·2763	9·061	788	28·0713	9·236	832	28·8444	9·405
745	27·2946	9·065	789	28·0891	9·240	833	28·8617	9·409
746	27·3130	9·069	790	28·1069	9·244	834	28·8790	9·412
747	27·3313	9·073	791	28·1247	9·248	835	28·8963	9·416
748	27·3495	9·077	792	28·1424	9·252	836	28·9136	9·420
749	27·3678	9·081	793	28·1602	9·256	837	28·9309	9·424

No.	Square root	Cube root	No.	Square root	Cube root	No.	Square root	Cube root
838	28·9482	9·427	882	29·6984	9·590	926	30·4302	9·746
839	28·9654	9·431	883	29·7153	9·593	927	30·4466	9·750
840	28·9827	9·435	884	29·7321	9·597	928	30·4630	9·753
841	29·	9·439	885	29·7489	9·600	929	30·4795	9·757
842	29.0172	9·442	886	29·7657	9·604	930	30·4959	9·761
843	29·0344	9·446	887	29·7825	9·608	931	30·5122	9·764
844	29·0516	9·450	888	29·7993	9·611	932	30·5286	9·767
845	29·0688	9·454	889	29·8161	9·615	933	30·5450	9.771
846	29·0860	9·457	890	29·8328	9·619	934	30·5614	9·774
847	29·1032	9·461	891	29·8496	9·622	935	30·5777	9·778
848	29·1204	9·465	892	29·8663	9·626	936	30·5941	9·782
849	29·1376	9.468	893	29·8831	9·629	937	30·6104	9·785
850	29·1547	9·472	894	29·8998	9·633	938	30·6267	9.788
851	29·1719	9·476	895	29·9165	9·636	939	30·6431	9·792
852	29·1890	9·480	896	29·9332	9·640	940	30·6594	9·795
853	29·2061	9·483	897	29·9499	9·644	941	30·6757	9·799
854	29·2232	9·487	898	29·9666	9·647	942	30·6920	9·802
855	29·2403	9·491	899	29·9833	9·651	943	30·7083	9 806
856	29·2574	9·494	900	30·	9·654	944	30·7245	9·809
857	29·2745	9·498	901	30·0166	9·658	945	30·7408	9·813
858	29·2916	9·502	902	30·0333	9·662	946	30·7571	9·816
859	29·3087	9·505	903	30·0499	9·665	947	30·7733	9·820
860	29·3257	9·509	904	30·0665	9·669	948	30·7896	9·823
861	29·3428	9·513	905	30·0832	9·672	949	30·8058	9·827
862	29·3598	9·517	906	30·0998	9·676	950	30·8220	9·830
863	29·3768	9·520	907	30·1164	9·679	951	30·8382	9·833
864	29·3938	9·524	908	30·1330	9·683	952	30·8544	9·837
865	29·4108	9·528	909	30·1496	9·686	953	30·8706	9·840
866	29·4278	9·531	910	30·1662	9·690	954	30·8868	9·844
867	29·4448	9·535	911	30·1827	9·694	955	30·9030	9·847
868	29·4618	9·539	912	30·1993	9·697	956	30·9192	9·851
869	29·4788	9·542	913	30·2158	9·701	957	30·9354	9·854
870	29·4957	9·546	914	30·2324	9·704	958	30·9515	9·857
871	29·5127	9·550	915	30·2489	9·708	959	30·9677	9·861
872	29·5296	9·553	916	30·2654	9·711	960	30·9838	9·864
873	29·5465	9·557	917	30·2820	9·715	961	31·	9·868
874	29·5634	9·561	918	30·2985	9·718	962	31·0161	9·871
875	29·5803	9·564	919	30·3150	9·722	963	31·0322	9.875
876	29·5972	9·568	920	30·3315	9·725	964	31·0483	9 878
877	29·6141	9·571	921	30·3479	9·729	965	31·0644	9·881
878	29·6310	9·575	922	30·3644	9·732	966	31·0805	9·885
879	29·6479	9·579	923	30·3809	9·736	967	31·0966	9·888
880	29·6647	9·582	924	30·3973	9·739	968	31·1126	9·892
881	29·6816	9·586	925	30·4138	9·743	969	31·1287	9·895

No.	Square root	Cube root	No.	Square root	Cube root	No.	Square root	Cube root
970	31·1448	9·898	980	31·3049	9·932	990	31·4642	9·966
971	31·1608	9·902	981	31·3209	9·936	991	31·4801	9·969
972	31·1769	9·905	982	31·3368	9·939	992	31·4960	9·973
973	31·1929	9·909	983	31·3528	9·943	993	31·5119	9·976
974	31·2089	9·912	984	31·3687	9·946	994	31·5277	9·979
975	31·2249	9·915	985	31·3847	9·949	995	31·5436	9·983
976	31·2409	9·919	986	31·4006	9·953	996	31·5594	9·986
977	31·2569	9·922	987	31·4165	9·956	997	31·5753	9·989
978	31.2729	9·926	988	31·4324	9·959	998	31·5911	9·993
979	31·2889	9·929	989	31·4483	9·963	999	31·6069	9·996

SECTION V.—TABLE 3.

THE Power and Root of any quantity may be expressed by the binomial theorem, and in algebraical formula will read as follows—

The theorem as proposed in its simplest form is this:—Let $a+b$ be raised to the fourth power, &c.

Powers	Mode of expressing them	Powers expanded
Square	$(a+b)^2$	$a^2+2\ ab+b^2$
Cube	$(a\ ..\ b)^3$	$a^3..3^2ab..\ 3\ ab^2+b^3$
4th power	$(a\ ..\ b)^4$	$a^4..4a^3b..\ 6a^2b^2..\ 4\ ab^3+b^4$
5th power	$(a\ ..\ b)^5$	$a^5..5a^4b..10a^3b^2..10a^2b^3..\ 5\ ab^4+b^5$
6th power	$(a\ ..\ b)^6$	$a^6..6a^5b..15a^4b^2..20a^3b^3..15a^2b^4..6ab^5+b^6$
&c	&s	&c

Thus, the reader will perceive, that the first and second terms are both raised to the same power, viz., the 6th power. In all the intermediate terms the powers of a decrease, and the powers of b increase by unity in each successive term; in each case the coëfficient of the second term is the same with the index of the given power. Hence, in the square it is 2. in the cube it is 3, &c. If the coëfficient of a, in any term, be multiplied by its index, and the product divided by the number of terms to that place, the quotient wil' give the coëfficient of the next term.

Here we are furnished with a general rule for raising the binomial $a+b$ to any power, without the actual process of multiplication.

Let it be required to raise $a + b$ to the eighth power; the statement will resolve thus—

The first term is ..... a^8
The second is ..... $8a^7b$
The third $\frac{8 \times 7}{2} a^6 b^2 = 28\, a^6 b^2$
The fourth $\frac{28 \times 6}{3} a^5 b^3 = 56\, a^5 b^3$
The fifth $\frac{56 \times 5}{4} a^4 b^4 = 70\, a^4 b^4$
The sixth $\frac{70 \times 4}{5} a^3 b^5 = 56\, a^3 b^5$
The seventh $\frac{56 \times 3}{6} a^2 b^6 = 28\, a^2 b^6$
The eighth $\frac{28 \times 2}{7} ab^7 = 8ab^7$
The ninth ..... $= b^8$

When the number of terms are even in the resulting quantity, the coëfficients of the two middle terms are the same; and in all cases the coëfficients increase as far as the middle term, and then decrease precisely in the same order, till we arrive at the last term. Consequently we need only calculate the increasing series up to the middle term, and then set down the decreasing series in an inverted manner. The first series of coëfficients are 8, 28, 56, 70. The last are 70, 56, 28, 8.

Biquadratic root is the fourth root of any proposed quantity: as, 2 is the biquadratic, or fourth root of 16. Thus, take the square root of any number, and then extract the square root of that root, which last result will give the root sought.

SECTION V.—TABLE 4.

DECIMAL FRACTIONS.

NUMERATION—DEFINITIONS.

In decimal fractions, the integer, or whole thing, as one pound, one yard, one gallon, one line, &c., is supposed to be divided into ten equal parts, and those parts into tenths, and so on, without end, so that the denominator of a decimal being always known to consist of an unit, with as

many cyphers as the numerator has places, is, therefore, never set down, the parts being only distinguished from the whole numbers by a period, or dot, prefixed thus, ·5 stands for $\frac{5}{10}$ or ·1 stands for $\frac{1}{10}$ ·25 stands for $\frac{25}{100}$, and ·123 for $\frac{123}{1000}$.

The following table will show the value of whole numbers on the left hand, and decimal parts on the right hand.

Whole numbers							Decimal parts						
7	6	5	4	3	2	1	2	3	4	5	6	7	
C of thousands	X of thousands	thousands	Hundreds	Tens	Units		Parts of tens	Parts of hundreds	Parts of thousands	Parts of X thousands	Parts of C thousands	Parts of millions	
Millions													

The reader will easily perceive that as whole numbers increase in a tenfold proportion to the left hand, decimal parts decrease in a tenfold proportion to the right hand; so that cyphers placed before decimal parts decrease their value by removing them further from the dot, or unit's place. Thus, ·1 is one part of 10, and ·5 is five parts of 10, or $\frac{5}{10}$, $\frac{5}{10}$; ·05 is 5 parts of 100or $\frac{5}{100}$; ·005 is 5 parts of 1000, or $\frac{5}{1000}$; ·0005 is 5 parts of 10000, or $\frac{5}{10000}$ But cyphers after decimal parts do not alter the value, for ·5, ·50, ·500, ·5000, are each but $\frac{5}{10}$ of a unit.

A finite decimal ends at a certain number of places, bnt an infinite decimal is that which no where ends.

SECTION V.—TABLE 5.

DECIMAL APPROXIMATIONS TO FACILITATE CALCULATIONS IN MENSURATION.

Lineal feet.....multiplied by		·00019	=miles
„ yards....	——	·000569	= „
Square inches..	——	·007	=square feet
„ yards....	——	·0002067	=acres
Circular inches	——	·00546	=square feet
Cylindrical inches	——	·0004545	=cubic feet
„ feet..	——	·02909	= „ yards

Cubic inches ..	——	·00058	=cubic feet
„ feet	——	·03705	= „ yards
„ „	——	6·232	=imperial gallons
„ inches ..	——	·003607	= „ „
Cylindrical feet	——	4.895	= „ „
„ inches	——	·002832	= „ „
Cubic inches ..	——	·261	=avoirdupois pnds. cast iron
„ ..	——	·2775	= „ rolled iron
„ ..	——	·281	= „ wrought iron
„ ..	——	·283	= „ for steel
„ ..	——	·319	= „ copper
„ ..	——	·3037	= „ brass
„ ..	——	·26	= „ zinc
„ ..	——	·4103	= „ lead
„ ..	——	·2636	= „ tin
„ ..	——	·4908	= „ mercury
Cylindrical inches	——	·2049	= „ cast iron
„	——	·22069	= „ hmrd iron
„	——	·2179	= „ rolld iron
„	——	·22226	= „ steel
„	——	·3854	= „ mercury
„	——	·2505	= „ copper
„	——	·395	= „ lead
„	——	·2385	= „ brass
„	——	·207	= „ tin
„	——	·2042	= „ zinc
Avoirdupois pounds	——	·009	= hundredweights
„ „	——	·000455	=tons

SECTION V.—TABLE 6.

TABLE OF ALLOYS.

Alloys having a density greater than the mean of their constituents.

Gold and zinc	Silver and lead	Copper and palladium
Gold and tin	Silver and tin	Copper and bismuth
Gold and bismuth	Silver and bismuth	Lead and antimony
Gold and antimony	Silver and antimony	Platinum and molybdenum
Gold and cobalt	Copper and zinc	
Silver and zinc	Copper and tin	Palladium & bismuth

SECTION V.—TABLE 7.

Alloys having a density less than the mean of their constituents.

Gold and silver	Silver and copper	Tin and palladium
Gold and iron	Silver and lead	Tin and antimony
Gold and lead	Iron and bismuth	Nickel and arsenic
Gold and copper	Iron and antimony	Zinc and antimony
Gold and iridium	Iron and lead	
Gold and nickel	Tin and lead	

SECTION V.—TABLE 8.

ALLOYS FOR BRONZE.

Professor Hoffman, of the Prussian artillery, and others, have made experiments, with the view of obtaining a good statuary bronze, and recommend the alloys ranging between the two following admixtures:

1st—To produce the reddest bronze	2nd—To produce a cheap bronze, with a bright yellow colour, almost golden
88·75 copper zinc (7 atoms copper, 1 atom zinc),	93·5 copper zinc (2 atoms copper, 1 atom xinc)
11·25 copper tin (3 atoms copper, 1 atom tin)	6·5 Copper tin (3 atoms copper, 1 atom tin
100·00	100·0

BRITISH STANDARD MEASURES.

MEASURES OF LENGTH.

12 inches make 1 lineal foot
3 feet make 1 yard
5½ yards make 1 pole or rod
40 poles make 1 furlong
8 furlongs, 1760 yards, or 5280 feet make 1 mile
3 English miles = 1 league, marked lea.
2¾ ditto = 1 French league
3¾ ditto = 1 Spanish league

4	ditto	= 1 German mile
3½	ditto	= 1 Dutch mile
4½	ditto	= 1 Italian mile
4	ditto	= 1 Russian verst
1$\frac{3}{5}$	ditto	1 Scotch mile
1$\frac{1}{7}$	ditto	1 Irish mile
69$\frac{1}{7}$	do nearly 1 degree, marked °	

VARIOUS FRENCH MEASURES,

Of frequent reference.

A point is equal to	·0148025	English inches
A line	·088815	ditto
A millemetre	·039371	ditto
A centimetre	·39371	ditto
An inch (pouce) ..	1·06578	ditto
A decimeter	3·9371	ditto
A foot	12·78933	ditto
A metre.....	39 371	do, or 3.2809 English feet
A toise (fathom)..	6·394	English feet
A league	14501·1	4803·7 English yards
A square inch.....	1·13582	English square inches
A cubic inch	1·21063	„ cubic inches
A cubic metre	35·316	„ cubic feet

MEASURES OF SURFACE, OR SQUARE MEASURE.

144 square inches make 1 square foot
9 square feet make 1 square yard
30¼ square yards make 1 square pole
40 square poles make 1 rood
4 roods, or 4840 square yards make 1 acre

MEASURES OF SOLIDITY, OR CUBIC MEASURE.

172^3 cubic inches make 1 cubic foot
27 cubic feet make 1 cubic yard

MEASURES OF CAPACITY.

3·665 cubic inches make one gill
34$\frac{2}{3}$ cubic inches or 4 gills make 1 pint
69¼ cubic inches or 2 pints make 1 quart
253 circular in. or 277¼ cubic in. or 4 quarts make 1 gallon

17468¼ cubic inches or 63 gallons make 1 hogshead
34936½ cubic inches or 2 hogsheads make 1 pipe
69873 cubic inches or 2 pipes make 1 tun

Note—1 chaldron of coals, at Newcastle, is 68 bushels; each bushel contains 2816 cubic inches, being heaped measure, and weighs 53 cwt
In London, 36 bushels make 1 chaldron, and weigh 28 cwt, or 8 qr 3 lb 4¼ oz per bushel

GRAIN AND FRUITS

2 gallons make 1 peck
4 pecks or 2218·192 cubic inches make 1 bushel
8 bushels make 1 quarter
5 quarters make 1 load

MEASURES OF WEIGHT—TROY

24 grains make 1 pennyweight
20 pennyweights make 1 ounce
12 ounces make 1 pound

AVOIRDUPOIS.

27·34375 troy grains make 1 dram
16 drams make 1 ounce
16 ounces make 1 pound
14 pounds make 1 stone
2 stones make 1 quarter
4 quarters or 112 lb make 1 cwt.
20 cwt make 1 ton

LINEAL MEASURE FOR LAND

7·92 inches make 1 link
100 links or 22 yards make 1 chain
80 chaine make 1 mile
69·121 miles make 1 geographical degree

SQUARE MEASURE FOR LAND

62·7294 square inches make 1 square link
10·000 square links makk 1 square chain
10 square chains make 1 acre

NAUTICAL MEASURES

1 nautical mile makes 6082·66 feet
3 miles make 1 league
20 leagues mage 1 degree
360 degrees make 1 circle, equal the earth's circumference

MISCELLANEOUS MEASURES

6 lineal feet make 1 fathom
100 square feet make 1 square of flooring
272 square feet, at 14 inches in thickness, make 1 rod of brickwork
600 square feet of inch boards make 1 load
40 cubic feet of round timber make 1 ton or load
50 cubic feet of hewn timber, do do
42 cubic feet of hewn timber make 1 ton of shipping
120 deals make 1 hundred
120 nails make 1 hundred
500 bricks make 1 load
32 bushels of lime make 1 load
36 bushels of sand make 1 load
19½ hundredweight of lead make 1 fother at London
20 ditto ditto make 1 fother at Leith
20 cwt 3 qr 16 lb make 1 fother at Hull
21 cwt make 1 fother at Newcastle
21 cwt 1 qr 20 lb make 1 fother at Chester
22 cwt make 1 fother at Stockton

SECTION V.—TABLE 9.

SHEWING THE DISTANCE, BY CHART, FROM LONDON TO THE CAPITALS OF THE PRINCIPAL COUNTRIES IN THE WORLD,

With the bearings from London to those Capitals, and the Latitude and Longitude from the meridian of Greenwich.

	Bearing & distance from London in miles.		Latitude.	Longitude.
London to			51° 35′ N.	
Algiers, Africa	900	S. by E.	36 42 N.	3° 30′ E.
Amsterdam, Holland ..	180	E. by N.	52 25 N.	4 40 E.
Berlin, Prussia	360	E. by N.	52 32 N.	13 22 E.
Berne, Switzerland	300	S.S.E.	46 57 N.	7 26 E.
Bombay, Asia.....	4320	S.E.	19 0 N.	73 10 E.
Buenos Ayres, S America	4620	S.S.W.	34 35 S.	57 24 W.
Cairo, Egypt	1320	S.S.E.	30 2 N.	31 20 E.
Calcutta, E Indies.....	3060	S.E. by E.	22 34 N.	88 28 E.
Canton, Asia	5280	S.E. by E.	23 30 N.	114 0 E.
Cashmere, Asia	2220	S.E. by S.	34 20 N.	13 43 E.

	Bearing & distance from London, in miles.		Latitude.	Longitude.
London to				
Constantinople, Turkey	900	S.E. by E.	41° 0′ N.	25° 56′ E.
Copenhagen, Denmark..	480	N.E. by E.	55 41 N.	12 35 E.
Delhi, East Indies.....	2580	S.E.	28 43 N.	77 9 E.
Dresden, Saxony	360	E. ½ S.	51 3 N.	13 43 E.
Florence, Italy	480	S.S.E.	43 47 N.	11 16 E.
Genoa, Italy	420	S.S.E.	44 25 N.	8 58 E.
Hamburgh, Germany ..	330	E.N.E.	53 33 N.	9 59 E.
Hanover, Germany	300	E. by N.	52 23 N.	9 43 E.
Ispahan, Persia.....	1690	S.E.	32 25 N.	52 50 E.
Jeddo, Japan	4200	E.S.E.	36 30 N.	140 0 E.
Lima, S America	3900	S.W.	12 3 S.	77 8 W.
Lisbon, Portugal	720	S.S.W.	38 43 N.	9 9 W.
Madrid, Spain	660	S. by W.	40 25 N.	3 33 W.
Mecca, Arabia	1860	S.S.E.	21 18 N.	90 1 W.
Mexico, N America	3240	S.W. by W.	19 26 N.	40 15 E.
Milan, Italy	380	S.S.E	45° 28′ N.	8° 12′ E.
Morroco, Africa.....	1200	S. by W.	30 57 N.	7 0 W.
Munich, Bavaria	310	S.E. by S.	48 9 N.	11 36 E.
Naples, Italy	660	S.S.E.	40 50 N.	14 16 E.
New York, N America ..	2820	S.W.	40 41 N.	74 5 W.
Paris, France.....	265	S. ½ E.	48 50 N.	2 20 E.
Pekin, China	3480	E.S.E.	39 55 N.	116 28 E.
Philadelphia, N America	3000	S.W.	39 57 N.	75 10 W.
Quebec, Canada.....	1920	W. by S.	46 50 N.	71 10 W.
Riode Janeiro, S America	4080	S.S.W.	22 56 S.	42 2 W.
Rome, Italy	600	S.S.E.	41 48 N.	12 0 E.
St. Petersburgh, Russia	990	N.E.	59 57 N.	30 10 E.
Sarmarcand, Tartary ..	1860	E.S.E.	39 38 N.	64 9 E.
Siam, East Indies.....	3630	S.E.	12 50 N.	101 8 E.
Stockholm, Sweeden....	720	N.E.	59 21 N.	18 4 E.
Stutgard, Wirtemberg ..	270	S.E.	48 46 N.	9 11 E.
Sydney, Australia	9200	S.E.	33 15 S.	151 25 E.
Timbuctoo, Africa.....	2220	S.	17 0 N.	1 20 E.
Tonquin, China.....	3540	S.E. by E.	21 0 N.	105 12 E.
Tunis, Africa	900	S S.E.	36 44 N.	10 20 E.
Turin, Italy	390	S.S.E.	45 4 N.	7 40 E.
Ummerapoora, E Indies	3200	S.E by E.	21 55 N.	96 7 E.
Venice, Italy	480	S.E by S.	45 20 N.	12 21 E.
Vienna, Austria	420	S.E.	48 13 N.	16 23 E.
Warsaw, Poland	450	E ⅛ N.	52 14 N.	20 3 E.
Washington, N America	2280	S.W. by W.	38 58 N.	77 2 W.

SECTION V.—TABLE 10.

SHOWS THE LENGTH OF A DEGREE OF LONGITUDE, CORRESPONDING TO EVERY DEGREE OF LATITUDE, FROM THE EQUATER TO THE POLE, AS EXPRESSED IN ENGLISH AND GEOGRAPHICAL MILES.

Deg. of lat.	Degree of longitde. geogra. miles	Degree of longitde. English miles.	Deg. of lat.	Degree of longitude geograhl. miles.	Degree of longitde. English miles.	Deg. of lat.	Degree of longitude geogra. miles.	Degree of longitude English miles
0	60·00	69·20	30	51·96	59·93	60	30·00	34·60
1	59·99	69·19	31	51·43	59·32	61	29·90	33·55
2	59·96	69·16	32	50·88	58·69	62	28·17	32·49
3	59·92	69·11	33	50·32	58·04	63	27·24	31·42
4	59·85	69·03	34	49·74	57·37	64	26·30	30·34
5	59·77	68·94	35	49·15	56·69	65	25·36	29·25
6	59·67	68·82	36	48·54	55·98	66	24·40	28·15
7	59·55	68·69	37	47·92	55·27	67	23·45	27·04
8	59·42	68·53	38	47·28	54·53	68	22·48	25·92
9	59·26	68·35	39	46·63	53·78	69	21·51	24·80
10	59·09	68·15	40	45·96	53·10	70	20·52	23·67
11	58·89	67·93	41	45·28	52·23	71	19·53	22·53
12	58·69	67·69	42	44·59	51·43	72	18·54	21·38
13	58·46	67·43	43	43·88	50·61	73	17·54	20·23
14	58·22	67·14	44	43·16	49·79	74	16·54	19·07
15	57·95	66·84	45	42·43	48·93	75	15·53	17·91
16	57·67	66·52	46	41·68	48·07	76	14·52	16 74
17	57·38	66·18	47	40·92	47·19	77	13·50	15·57
18	57·06	65·81	48	40·15	46·30	78	12·48	14·39
19	56·73	65·43	49	39·36	45·40	79	11·45	13·20
20	56·38	65·27	50	38·57	44·48	80	10·42	12·02
21	56·01	64·60	51	37·76	43·55	81	9·38	10·83
22	55·63	64·06	52	36·94	42·60	82	8·35	9·63
23	55·23	63·70	53	36·11	41·65	83	7·31	8·43
24	54·81	63·22	54	35·27	40·68	84	6·27	7·23
25	54·38	62·72	55	34·41	39·69	85	5·22	6·03
26	53·93	62.20	56	33·55	38·70	86	4·18	4·83
27	53·46	61·66	57	32·68	37·69	87	3·14	3·62
28	52·97	61·10	58	31·79	36·67	88	2·09	2·42
29	52·48	60·52	59	30·90	35·64	89	1·05	1·24

SECTION V.—TABLE 11.

GIVES THE MULTIPLIERS IN WHOLE NUMBERS AND DECIMAL PARTS, FOR BRINGING THE CONTENTS OF THE VARIOUS METALS MENTIONED IN TABLE III., SECTION 3, SPECIFIC GRAVITIES INTO POUNDS AVOIRDUPOIS.

Their application is as follow:—

Multiply the area of the end of any bar or metallic plate, in inches and decimal parts, then multiply the bar or plate by its length in feet and decimal parts, and, lastly, their product by the multipliers opposite the metals name you wish to know the weight of.

See page 464, Section III., for examples.

Name of metal.	Multipliers for square and flat metals.	Multipliers for round metals.	Name of metal.	Multipliers for square and flat metals.	Multipliers for round metals.
Platinum, ...	9·13	7·17	Brass, cast,.....	3·638	2·857
Gold, ...	8·4	6·59	Manganese, cast,.	3·472	2·726
Gold coin, ...	7·66	6·0	Steel, soft, ...	3·4	2·67
Gold, jewellers, ..	6·81	5·348	Steel, hard, ...	3·39	2·66
Mercury,.....	5·89	4·61	Cobalt, cast, ...	3·389	2 66
Lead, cast,.....	5·62	4·35	Nickel, cast,.....	3·381	2·65
Silver, hammered	4·56	3·58	Iron, hammered,	3·361	2·64
Silver, cast, ...	4·545	3·57	Iron, rolled,.....	3·33	2·61
Bismuth, cast,...	4·288	3·367	Tin, cast,.....	3·164	2·485
Copper, sheet, ..	3·868	3·037	Iron, cast, ...	3·129	2·457
Copper, rod, ...	3·856	3·028	Zinc, ...	3·12	2·45
Copper, cast,....	3·812	2·983	Antimony, cast, ..	2·9	2·277
Gun metal,.....	3·812	2·983	Arsenic,.....	2·5	1·963
Brass, rod, ...	3·75	2·945			

SECTION V.—TABLE 12.

SIZES OF DRAWING PAPERS

	inches.		inches.
Demy, ...	20 × 15	Columbia, ...	34 × 23
Medium, ...	22½ × 17	Atlas, ...	33½ × 26½
Royal, ...	24 × 19½	Double Elephant, ..	40 × 27
Super Royal, ...	27 × 19½	Antiquarian, ...	53 × 31
Imperial,.....	30 × 22	Extra ditto., ...	56 × 38
Elephant, ...	28½ × 23½	Emperor, ...	66 × 47

CONTRACTIONS USED IN THIS WORK.

C. or Cwt. stands for Hundredweights, or 112 pounds.
Qr. stands for Quarters, or 28 pounds.
Lb. stands for Pounds, of 12 or 16 ounces.
Oz. stands for Ounces of 20 pennyweights or 16 drams.
Dr. stands for Dram.
Ft. stands for Feet, **In.** for Inches, and **Yd.** for Yards.

OILS.

Sperm Oil is calculated 8¾ lbs. to the gallon.

All Olive Oils are sold and calculated at 9 lbs. to the gallon, which equally applies to Rape and Linseed Oil; presuming that the old measure, of 7¾ lbs. to the gallon, was correct, and the imperial measure being one fifth more than the old, it would be 9 lbs. exactly; but as Rape and Linseed Oil are generally bought by weight, it cannot be very material either way.

All Common Fish Oils, such as Greenland, Southern, Pale Seal, Cod, and also Neat's Foot Oil, &c., are sold and calculated at 9¼ lbs. to the gallon.

SECTION V.—TABLE 13.

OILS SOLD BY THE OLD MEASURE, SUCH AS LINSEED, SOME OF THE COMMONER SORTS OF OLIVE OIL AND GALLIPOLI OIL.

The Ratio of weight being 7¾lbs to the Gallon.

7¾lb to the Gallon.		7¾lb to the Gallon.		7¾lb to the Gallon.	
Gallons.	tn.cwt.qr.lb	Gallons.	tn.cwt.qr.lb	Gallons.	tn.cwt.qr.lb
1	0 0 0 7¾	16	0 1 0 8	100	0 6 2 22
2	0 0 0 15	17	0 1 0 15¾	118 2 Hhd	0 7 3 17
3	0 0 0 22¾	18	0 1 0 23	120	0 8 0 4
4	0 0 1 2	19	0 1 1 2¾	126 2 Hhd	0 8 1 21
5	0 0 1 9¾	20	0 1 1 10	177 3 Hhd	0 11 3 11¾
6	0 0 1 17	30	0 2 0 1	189 3 Hhd	0 12 2 17¾
7	0 0 1 24¾	36	0 2 1 18	236 1 Tun	0 15 3 6
8	0 0 2 4	40	0 2 2 20	252 1 Tun	0 16 3 14
9	0 0 2 11¾	50	0 3 1 11	472 2 Tun	1 11 2 12
10	0 0 2 19	59 1 Hhd	0 3 3 22¾	504 2 Tun	1 13 3 0
11	0 0 2 26¾	60	0 4 0 2	708 3 Tun	2 7 1 18
12	0 0 3 6	63 1 Hhd	0 4 0 24¾	756 3 Tun	2 10 2 14
13	0 0 3 13¾	70	0 4 2 21	800	2 13 2 8
14	0 0 3 21	80	0 5 1 12	1000	3 6 3 24
15	0 1 0 0¾	90	0 6 0 3		

SECTION V.—TABLE 16.

To find the value in pounds and half pounds of Seed Oils, at 7½ pounds to the gallon, being less than the imperial measure, and rates 236 gallons to the tun.

Per tun.	½ lb.	1 lb.	2 lb.	3 lb.	4 lb.	5 lb.	6 lb.	7 lb.
£ s.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
15 0	0 1	0 2	0 4	0 6	0 8	0 10	1 0½	1 2¼
15 10	0 1	0 2	0 4	0 6½	0 8½	0 10½	1 0⅞	1 2⅞
16 0	0 1	0 2	0 4¼	0 6⅝	0 8⅝	0 10⅝	1 1	1 3¼
16 10	0 1	0 2¼	0 4¼	0 6½	0 9	0 11	1 1¼	1 3⅝
17 0	0 1	0 2¼	0 4⅜	0 6⅝	0 9¼	0 11¼	1 1⅝	1 4¼
17 10	0 1	0 2¼	0 4½	0 7	0 9⅜	0 11⅜	1 2¼	1 4⅝
18 0	0 1	0 2¼	0 4⅝	0 7¼	0 9⅝	1 0	1 2¼	1 5¼
18 10	0 1¼	0 2⅜	0 5	0 7⅜	0 10	1 0¼	1 3	1 5⅝
19 0	0 1¼	0 2⅜	0 5	0 7⅝	0 10¼	1 0⅝	1 3¼	1 6¼
19 10	0 1¼	0 2⅜	0 5¼	0 7⅝	0 10⅜	1 1	1 3⅝	1 6⅝
20 0	0 1¼	0 2⅜	0 5¼	0 8	0 10⅝	1 1¼	1 4¼	1 7
20 10	0 1⅜	0 2⅝	0 5¼	0 8¼	0 11	1 1⅜	1 4¼	1 7⅜
21 0	0 1½	0 2⅝	0 5½	0 8½	0 11¼	1 2	1 5	1 8
21 10	0 1⅝	0 2⅝	0 5⅝	0 8⅝	0 11⅜	1 2¼	1 5¼	1 8⅜
22 0	0 1⅝	0 3	0 6	0 9	0 11⅝	1 2⅝	1 5⅝	1 9
22 10	0 1⅝	0 3	0 6	0 9¼	1 0	1 3	1 6¼	1 9¼
23 0	0 1⅝	0 3	0 6¼	0 9½	1 0½	1 3¼	1 6½	1 10
23 10	0 1⅝	0 3	0 6½	0 9⅝	1 0⅝	1 3⅜	1 7	1 10½
24 0	0 1⅝	0 3¼	0 6½	0 9⅝	1 1	1 4	1 7⅛	1 11
24 10	0 1⅝	0 3¼	0 6⅝	0 10	1 1⅛	1 4⅛	1 7⅜	1 11⅛
25 0	0 1⅝	0 3¼	0 6⅝	0 10⅛	1 1⅛	1 4⅜	1 8¼	1 11⅜
25 10	0 1⅝	0 3⅛	0 6⅜	0 10⅛	1 1⅜	1 5¼	1 8⅜	2 0¼
26 0	0 1⅜	0 3⅛	0 7	0 10⅛	1 2	1 5¼	1 9	2 0⅜
26 10	0 1⅜	0 3⅛	0 7	0 10⅜	1 2¼	1 6	1 9⅛	2 1⅛
27 0	0 1⅜	0 3¼	0 7¼	0 11	1 2¼	1 6¼	1 10	2 1⅜
27 10	0 1⅜	0 3⅜	0 7¼	0 11¼	1 2⅜	1 6½	1 10¼	2 2¼
28 0	0 1⅜	0 3⅜	0 7⅜	0 11¼	1 3	1 7	1 10⅜	2 2⅜
28 10	0 1⅜	0 3⅜	0 7½	0 11½	1 3¼	1 7⅛	1 11	2 3¼
29 0	0 1⅜	0 3⅜	0 7⅜	0 11⅜	1 3½	1 7⅜	1 11⅛	2 3⅜
29 10	0 2	0 4	0 8	1 0	1 4	1 8	2 0	2 4
30 0	0 2	0 4	0 8	1 0¼	1 4¼	1 8¼	2 0¼	2 4⅝
31 0	0 2	0 4	0 8¼	1 0⅝	1 4⅜	1 9	2 1	2 5¼
32 0	0 2	0 4¼	0 8¼	1 1	1 5¼	1 9⅜	2 2	2 6¼
33 0	0 2¼	0 4¼	0 8⅜	1 1⅛	1 5⅜	1 10¼	2 2⅜	2 7¼
34 0	0 2¼	0 4⅜	0 9	1 1⅜	1 6¼	1 11	2 3⅛	2 8¼
35 0	0 2⅜	0 4⅜	0 9¼	1 2¼	1 6⅜	1 11⅛	2 4⅛	2 9¼
40 0	0 2⅜	0 5¼	0 10⅜	1 4¼	1 9¼	2 3	2 8⅛	3 2
45 0	0 3	0 6	1 0	1 6¼	2 0¼	2 6¼	3 0⅜	3 6⅜
50 0	0 3¼	0 6⅜	1 1¼	1 8¼	2 2⅜	2 9⅜	3 4⅛	3 11⅛
55 0	0 3⅜	0 7¼	1 2⅜	1 10¼	2 5⅛	3 1⅛	3 8⅛	4 4
60 0	0 4	0 8	1 4¼	2 0⅛	2 8¼	3 4⅛	4 0⅛	4 9

SECTION V.—TABLE 15. SEED OIL, OLD MEASURE, PRICES PER TUN.

Hence by adding two sums together any Price from £15 to £60 can be obtained.

per Tun.		1 Gallon.			2 Gallons			3 Gallons			4 Gallons			5 Gallons			10 Gals.			20 gals.			36 gals.			59 gals.			118 gals.		
£	s.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£.	s.	d.	£	s.	d.	£	s	d.	£	s	d.	£	s	d.	£	s	d.
15	0	0	1	3½	0	2	6½	0	3	9¾	0	5	1	0	6	4½	0	12	8½	1	5	5	2	5	9	3	15	0	7	10	0
15	10	0	1	3¾	0	2	7½	0	3	11¼	0	5	3	0	6	6¾	0	13	1½	1	6	3½	2	7	3¾	3	17	6	7	15	0
16	0	0	1	4½	0	2	8½	0	4	0½	0	5	5	0	6	9½	0	13	6½	1	7	1½	2	8	0¾	4	0	0	8	0	0
16	10	0	1	4¾	0	2	9½	0	4	2¼	0	5	7	0	6	11¾	0	13	11¾	1	7	11½	2	10	4	4	2	6	8	5	0
17	0	0	1	5½	0	2	10½	0	4	3¾	0	5	9	0	7	2½	0	14	4¾	1	8	9¾	2	11	10½	4	5	0	8	10	0
17	10	0	1	5¾	0	2	11½	0	4	5¼	0	5	11	0	7	4¾	0	14	9¾	1	9	7¾	2	13	4¾	4	7	6	8	15	0
18	0	0	1	6½	0	3	0½	0	4	6¾	0	6	1	0	7	7½	0	15	3	1	10	6	2	14	10¾	4	10	0	9	0	0
18	10	0	1	6¾	0	3	1½	0	4	8¼	0	6	3¼	0	7	10	0	15	8	1	11	4½	2	16	5¾	4	12	6	9	5	0
19	0	0	1	7½	0	3	2½	0	4	9¾	0	6	5¼	0	8	0½	0	16	1	1	12	2½	2	17	11¼	4	15	0	9	10	0
19	10	0	1	7¾	0	3	3½	0	4	11¼	0	6	7¼	0	8	3	0	16	6½	1	13	0½	2	19	5¾	4	17	6	9	15	0
20	0	0	1	8¼	0	3	4¾	0	5	1	0	6	9¼	0	8	5½	0	16	11¼	1	13	10¾	3	1	0	5	0	0	10	0	0
20	10	0	1	8¾	0	3	5½	0	5	2¼	0	6	11½	0	8	8	0	17	4¼	1	14	8¾	3	2	6¼	5	2	6	10	5	0
21	0	0	1	9¼	0	3	6¾	0	5	4	0	7	1¾	0	8	10¾	0	17	9¼	1	15	7	3	4	0¾	5	5	0	10	10	0
21	10	0	1	9¾	0	3	7½	0	5	5¼	0	7	3¼	0	9	1¼	0	18	2¼	1	16	5¼	3	5	7	5	7	6	10	15	0
22	0	0	1	10¼	0	3	8½	0	5	7	0	7	5¼	0	9	3¾	0	18	7½	1	17	3¼	3	7	1¾	5	10	0	11	0	0
22	10	0	1	10¾	0	3	9¾	0	5	8¼	0	7	7¼	0	9	6¼	0	19	0¾	1	18	1½	3	8	7¾	5	12	6	11	5	0
23	0	0	1	11¼	0	3	10¾	0	5	10	0	7	9¼	0	9	8¾	0	19	5¾	1	18	11¾	3	10	2	5	15	0	11	10	0
23	10	0	1	11¾	0	3	11¾	0	5	11¼	0	7	11¾	0	9	11¼	0	19	10¾	1	19	9¾	3	11	8¼	5	17	6	11	15	0
24	0	0	2	0¼	0	4	0¾	0	6	1	0	8	1¾	0	10	2	1	0	4	2	0	8	3	13	2¾	6	0	0	12	0	0
24	10	0	2	0¾	0	4	1¾	0	6	2¾	0	8	3¾	0	10	4¾	1	0	9	2	1	6¼	3	14	8¾	6	2	6	12	5	0
25	0	0	2	1¼	0	4	2¾	0	6	4¼	0	8	5¼	0	10	7	1	1	2	2	2	4½	3	16	3¾	6	5	0	12	10	0
26	0	0	2	2¼	0	4	4¾	0	6	7¼	0	8	9¾	0	11	0	1	2	0¼	2	4	0¾	3	19	3¾	6	10	0	13	0	0
27	0	0	2	3¼	0	4	6¾	0	6	10¼	0	9	1¾	0	11	5½	1	2	10½	2	5	9	4	2	4¾	6	15	0	13	10	0
28	0	0	2	4¼	0	4	8¾	0	7	1¼	0	9	5¾	0	11	10½	1	3	8½	2	7	5¼	4	5	5	7	0	0	14	0	0
29	0	0	2	5¼	0	4	10¾	0	7	4¼	0	9	9¾	0	12	3¼	1	4	6¾	2	9	1¾	4	8	5¼	7	5	0	14	10	0
30	0	0	2	6¼	0	5	1	0	7	7¼	0	10	2	0	12	8¾	1	5	5	2	10	10	4	11	6¼	7	10	0	15	0	0

SECTION V.—TABLE 16.

To find the value in pounds and half pounds of Seed Oils, at 7½ pounds to the gallon, being less than the imperial measure, and rates 236 gallons to the tun.

Per tun.	½ lb.	1 lb.	2 lb.	3 lb.	4 lb.	5 lb.	6 lb.	7 lb.
£ s.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
15 0	0 1	0 2	0 4	0 6	0 8	0 10	1 0½	1 2½
15 10	0 1	0 2	0 4	0 6½	0 8½	0 10½	1 0½	1 2⅝
16 0	0 1	0 2	0 4½	0 6½	0 8⅝	0 10½	1 1	1 3½
16 10	0 1	0 2½	0 4½	0 6½	0 9	0 11	1 1½	1 3⅝
17 0	0 1	0 2½	0 4⅝	0 6⅝	0 9½	0 11½	1 1⅝	1 4½
17 10	0 1	0 2¼	0 4½	0 7	0 9½	0 11½	1 2½	1 4⅝
18 0	0 1	0 2½	0 4⅝	0 7½	0 9⅝	1 0	1 2½	1 5½
18 10	0 1½	0 2½	0 5	0 7½	0 10	1 0½	1 3	1 5⅝
19 0	0 1½	0 2⅝	0 5	0 7⅝	0 10½	1 0⅝	1 3½	1 6½
19 10	0 1½	0 2⅝	0 5½	0 7⅝	0 10½	1 1	1 3⅝	1 6⅝
20 0	0 1½	0 2⅝	0 5½	0 8	0 10⅝	1 1½	1 4½	1 7
20 10	0 1⅝	0 2⅝	0 5½	0 8½	0 11	1 1½	1 4½	1 7⅛
21 0	0 1½	0 2⅝	0 5½	0 8½	0 11½	1 2	1 5	1 8
21 10	0 1⅝	0 2⅝	0 5⅝	0 8⅝	0 11½	1 2½	1 5½	1 8⅛
22 0	0 1⅝	0 3	0 6	0 9	0 11⅝	1 2¾	1 5⅝	1 9
22 10	0 1½	0 3	0 6	0 9½	1 0	1 3	1 6½	1 9½
23 0	0 1½	0 3	0 6½	0 9½	1 0½	1 3½	1 6½	1 10
23 10	0 1½	0 3	0 6½	0 9⅝	1 0⅝	1 3⅝	1 7	1 10½
24 0	0 1½	0 3½	0 6½	0 9¾	1 1	1 4	1 7½	1 11
24 10	0 1½	0 3½	0 6½	0 10	1 1½	1 4½	1 7⅝	1 11½
25 0	0 1½	0 3½	0 6⅝	0 10½	1 1½	1 4⅝	1 8½	1 11⅝
25 10	0 1½	0 3½	0 6⅝	0 10½	1 1⅝	1 5½	1 8⅝	2 0½
26 0	0 1⅝	0 3½	0 7	0 10½	1 2	1 5½	1 9	2 0⅝
26 10	0 1⅝	0 3½	0 7	0 10⅝	1 2½	1 6	1 9½	2 1½
27 0	0 1⅝	0 3½	0 7½	0 11	1 2½	1 6½	1 10	2 1⅝
27 10	0 1⅝	0 3⅝	0 7½	0 11½	1 2⅝	1 6½	1 10½	2 2½
28 0	0 1⅝	0 3⅝	0 7½	0 11½	1 3	1 7	1 10⅝	2 2⅝
28 10	0 1⅝	0 3⅝	0 7½	0 11½	1 3½	1 7½	1 11	2 3½
29 0	0 1⅝	0 3⅝	0 7⅝	0 11⅝	1 3½	1 7½	1 11½	2 3⅝
29 10	0 2	0 4	0 8	1 0	1 4	1 8	2 0	2 4
30 0	0 2	0 4	0 8	1 0½	1 4½	1 8½	2 0½	2 4⅝
31 0	0 2	0 4	0 8½	1 0½	1 4⅝	1 9	2 1	2 5½
32 0	0 2	0 4½	0 8½	1 1	1 5½	1 9½	2 2	2 6½
33 0	0 2½	0 4½	0 8⅝	1 1½	1 5⅝	1 10½	2 2⅝	2 7½
34 0	0 2½	0 4½	0 9	1 1⅝	1 6½	1 11	2 3½	2 8½
35 0	0 2½	0 4⅝	0 9½	1 2½	1 6⅝	1 11½	2 4½	2 9½
40 0	0 2½	0 5½	0 10⅝	1 4½	1 9½	2 3	2 8½	3 2
45 0	0 3	0 6	1 0	1 6½	2 0½	2 6½	3 0⅝	3 6⅝
50 0	0 3½	0 6½	1 1½	1 8½	2 2⅝	2 9⅝	3 4½	3 11½
55 0	0 3½	0 7½	1 2⅝	1 10½	2 5½	3 1⅝	3 8⅝	4 4
60 0	0 4	0 8	1 4½	2 0½	2 8½	3 4½	4 0½	4 9

SECTION V.—TABLE 18.

Fish and Olive Oils and other Liquids, at the Imperial measure of 1 tun of 252 gallons and ¼ tun of 63 gallons; together with Seed Oils at the weight of 20 cwt. to the ton, and rating at 9 and 9¼ lbs. to the gallon.

Fish and olive oils per gal.		Fish and olive oils, 252 gals.		price per gallon.		Price of 63 gallons.			Seed oils, ton of 20 cwt., 9 lb to the gallon.			Seed oils ton 20 cwt. 9¼ lb to gal.			Fish and olive oils per gal.		Fish and olive oil 252 gals.		Price per gallon.		Price of 63 gallons.			Seed oils, ton of 20 cwt., 9 lb to the gallon.			Seed oils, ton 20 cwt. 9¼ lb to gal		
s	d	£	s.	s.	d.	£	s.	d	£	s.	d.	£	s.	d.	s	d	£	s.	s	d	£	s.	d.	£	s.	d.	£	s.	d.
1	6	18	18	1	6	4	14	6	18	13	4	18	3	2	5	10	73	10	5	10	18	7	6	72	11	10	70	12	6
1	7	19	19	1	7	4	19	9	19	14	0	19	3	5	5	11	74	11	5	11	18	12	9	73	12	7	71	12	8
1	8	21	0	1	8	5	5	0	20	14	9	20	3	7	6	0	75	12	6	0	18	18	0	74	13	4	72	12	11
1	9	22	1	1	9	5	10	3	21	15	6	21	3	9	6	1	76	13	6	1	19	3	3	75	14	0	73	13	1
1	10	23	2	1	10	5	15	6	22	16	3	22	3	11	6	2	77	14	6	2	19	8	6	76	14	9	74	13	3
1	11	24	3	1	11	6	0	9	23	17	0	23	4	1	6	3	78	15	6	3	19	13	9	77	15	6	75	13	5
2	0	25	4	2	0	6	6	0	24	17	9	24	4	3	6	4	79	16	6	4	19	19	0	78	16	3	76	13	8
2	1	26	5	2	1	6	11	3	25	18	6	25	4	6	6	5	80	17	6	5	20	4	3	79	17	0	77	13	10
2	2	27	6	2	2	6	16	6	26	19	3	26	4	8	6	6	81	18	6	6	20	9	6	80	17	9	78	14	0
2	3	28	7	2	3	7	1	9	28	0	0	27	4	10	6	7	82	19	6	7	20	14	9	81	18	6	79	14	2
2	4	29	8	2	4	7	7	0	29	0	8	28	5	0	6	8	84	0	6	8	21	0	0	82	19	3	80	14	4
2	5	30	9	2	5	7	12	3	30	1	5	29	5	2	6	9	85	1	6	9	21	5	3	84	0	0	81	14	6
2	6	31	10	2	6	7	17	6	31	2	2	30	5	4	6	10	86	2	6	10	21	10	6	85	0	8	82	14	8
2	7	32	11	2	7	8	2	9	32	2	11	31	5	7	6	11	87	3	6	11	21	15	9	86	1	5	83	14	10
2	8	33	12	2	8	8	8	0	33	3	8	32	5	9	7	0	88	4	7	0	22	1	0	87	2	2	84	15	1
2	9	34	13	2	9	8	13	3	34	4	5	33	5	11	7	1	89	5	7	1	22	6	3	88	2	11	85	15	3
2	10	35	14	2	10	8	18	6	35	5	2	34	6	1	7	2	90	6	7	2	22	11	6	89	3	8	86	15	5
2	11	36	15	2	11	9	3	9	36	5	11	35	6	3	7	3	91	7	7	3	22	16	9	90	4	5	87	15	7
3	0	37	16	3	0	9	9	0	37	6	8	36	6	5	7	4	92	8	7	4	23	2	0	91	5	2	88	15	9
3	1	38	17	3	1	9	14	3	38	7	4	37	6	7	7	5	93	9	7	5	23	7	3	92	5	11	89	16	0
3	2	39	18	3	2	9	19	6	39	8	1	38	6	9	7	6	94	10	7	6	23	12	6	93	6	8	90	16	2

3	3	40	19	3	3	10	4	9	40	8	10	39	7	0	7	7	95	11	7	7	23	18	0	94	7	4	91	16	4
3	4	42	0	3	4	10	10	0	41	9	7	40	7	2	7	8	96	12	7	8	24	3	0	95	8	1	92	16	6
3	5	43	1	3	5	10	15	3	42	10	4	41	7	4	7	9	97	13	7	9	24	8	3	96	8	10	93	16	8
3	6	44	2	3	6	11	0	6	43	11	1	42	7	6	7	10	98	14	7	10	24	13	6	97	9	7	94	16	10
3	7	45	3	3	7	11	5	9	44	11	10	43	7	8	7	11	99	15	7	11	24	18	9	98	10	4	95	17	0
3	8	46	4	3	8	11	11	0	45	12	7	44	7	11	8	0	100	16	8	0	25	4	0	99	11	1	96	17	3
3	9	47	5	3	9	11	16	3	46	13	4	45	8	1	8	1	101	17	8	1	25	9	3	100	11	10	97	17	5
3	10	48	6	3	10	12	1	6	47	14	0	46	8	3	8	2	102	18	8	2	25	14	6	101	12	7	98	17	7
3	11	49	7	3	11	12	6	9	48	14	9	47	8	5	8	3	103	19	8	3	25	19	9	102	13	4	99	17	9
4	0	50	8	4	0	12	12	0	49	15	6	48	8	7	8	4	105	0	8	4	26	5	0	103	14	0	100	18	0
4	1	51	9	4	1	12	17	3	50	16	3	49	8	10	8	5	106	9	8	5	26	10	3	104	14	9	101	18	2
4	2	52	10	4	2	13	2	6	51	17	0	50	9	0	8	6	107	2	8	6	26	15	6	105	15	6	102	18	4
4	3	53	11	4	3	13	7	9	52	17	9	51	9	2	8	7	108	3	8	7	27	0	9	106	16	3	103	18	6
4	4	54	12	4	4	13	13	0	53	18	6	52	9	4	8	8	109	4	8	8	27	6	0	107	17	0	104	18	8
4	5	55	13	4	5	13	18	3	54	19	3	53	9	6	8	9	110	5	8	9	27	11	3	108	17	9	105	18	10
4	6	56	14	4	6	14	3	6	56	0	0	54	9	8	8	10	111	6	8	10	27	16	6	109	18	6	106	19	0
4	7	57	15	4	7	14	8	9	57	0	8	55	9	11	8	11	112	7	8	11	28	1	9	110	19	3	107	19	2
4	8	58	16	4	8	14	14	0	58	1	5	56	10	1	9	0	113	8	9	0	28	7	0	112	0	0	108	19	5
4	9	59	17	4	9	14	19	3	59	2	2	57	10	3	9	1	114	9	9	1	28	12	3	113	0	8	109	19	7
4	10	60	18	4	10	15	4	6	60	2	11	58	10	5	9	2	115	10	9	2	28	17	6	114	1	5	110	19	9
4	11	61	19	4	11	15	9	9	61	3	8	59	10	7	9	3	116	11	9	3	29	2	9	115	2	2	111	19	11
5	0	63	0	5	0	15	15	0	62	4	5	60	10	9	9	4	117	12	9	4	29	8	0	116	2	11	113	0	1
5	1	64	1	5	1	16	0	3	63	5	2	61	10	11	9	5	118	13	9	5	29	13	3	117	3	8	114	0	3
5	2	65	2	5	2	16	5	6	64	5	11	62	11	1	9	6	119	14	9	6	29	18	6	118	4	5	115	0	6
5	3	66	3	5	3	16	10	9	65	6	8	63	11	3	9	7	120	15	9	7	30	3	9	119	5	2	116	0	8
5	4	67	4	5	4	16	16	0	66	7	4	64	11	6	9	8	121	16	9	8	30	9	0	120	5	11	117	0	10
5	5	68	5	5	5	17	1	3	67	8	1	65	11	8	9	9	122	17	9	9	30	14	3	121	6	8	118	1	0
5	6	69	6	5	6	17	6	6	68	8	10	66	11	10	9	10	123	18	9	10	30	19	6	122	7	4	119	1	2
5	7	70	7	5	7	17	11	9	69	9	7	67	12	0	9	11	124	19	9	11	31	4	9	123	8	1	120	1	4
5	8	71	8	5	8	17	17	0	70	10	4	68	12	2	10	0	126	0	10	0	31	10	0	124	8	10	121	1	7
5	9	72	9	5	9	18	2	3	71	11	1	69	12	4															

The Tables on Oils are inserted at the request of Mr. Walter Muir, of London.

SECTION V.—TABLE 18.

PRICE OF SPIRITS OR OTHER LIQUIDS PER GALLON.

Price per gallon.	2 gallons.	3 gallons.	4 gallons.	5 gallons.	10 gallons	20 gallons	30 gallons	36 gallons	40 galls	50 gallons	63 gallons	100 gallons	120 gallons
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s.	£ s.	£ s.	£ s.	£	£ s.	£ s. d.	£ s.	£ s.
0 11 0	1 2 0	1 13 0	2 4 0	2 15 0	5 10	11 0	16 10	19 16	22	27 10	34 13 0	55 0	66 0
0 12 0	1 5 0	1 17 0	2 6 0	3 2 0	6 5	12 10	18 15	22 10	25	31 5	39 7 6	62 10	75 0
0 13 0	1 6 0	1 19 0	2 12 0	3 5 0	6 10	13 0	19 10	23 8	26	32 10	40 19 0	65 0	78 0
0 13 6	1 7 0	2 0 6	2 14 0	3 7 6	6 15	13 10	20 5	24 6	27	33 15	42 10 6	67 10	81 0
0 14 0	1 8 0	2 2 0	2 16 0	3 10 0	7 0	14 0	21 0	25 4	28	35 0	44 2 0	70 0	84 0
0 14 6	1 9 0	2 3 6	2 18 0	3 12 6	7 5	14 10	21 15	26 2	29	36 5	45 13 6	72 10	87 0
0 15 0	1 10 0	2 5 0	3 0 0	3 15 0	7 10	15 0	22 10	27 0	30	37 10	47 5 0	75 0	90 0
0 15 6	1 11 0	2 6 6	3 2 0	3 17 6	7 15	15 10	23 5	27 18	31	38 15	48 16 6	77 10	93 0
0 16 0	1 12 0	2 8 0	3 4 0	4 0 0	8 0	16 0	24 0	28 16	32	40 0	50 8 0	80 0	96 0
0 16 6	1 13 0	2 9 6	3 6 0	4 2 6	8 5	16 10	24 15	29 14	33	41 5	51 19 6	82 10	99 0
0 17 0	1 14 0	2 11 0	3 8 0	4 5 0	8 10	17 0	25 10	30 12	34	42 10	53 11 0	85 0	102 0
0 17 6	1 15 0	2 12 6	3 10 0	4 7 6	8 15	17 10	26 5	31 10	35	43 15	55 2 6	87 10	105 0
0 18 0	1 16 0	2 14 0	3 12 0	4 10 0	9 0	18 0	27 0	32 8	36	45 0	56 14 0	90 0	108 0
0 18 6	1 17 0	2 15 6	3 14 0	4 12 6	9 5	18 10	27 15	33 6	37	46 5	58 5 6	92 10	111 0
0 19 0	1 18 0	2 17 0	3 16 0	4 15 0	9 10	19 0	28 10	34 4	38	47 10	59 17 0	95 0	114 0
0 19 6	1 19 0	2 18 6	3 18 0	4 17 6	9 15	19 10	29 5	35 2	39	48 15	61 8 6	97 10	117 0
1 0 0	2 0 0	3 0 0	4 0 0	5 0 0	10 0	20 0	30 0	36 0	40	50 0	63 0 0	100 0	120 0
1 0 6	2 1 0	3 1 6	4 2 0	5 2 6	10 5	20 10	30 15	36 18	41	51 5	64 11 6	102 10	123 0
1 1 0	2 2 0	3 3 0	4 4 0	5 5 0	10 10	21 0	31 10	37 16	42	52 10	66 3 0	150 0	126 0

1	1	0	2	3	0	3	4	6	4	6	0	5	7	6	10	15	21	10	32	5	38	14	43	53	15	67	14	6	107	10	129	0
1	2	0	2	4	0	3	6	0	4	8	0	5	10	0	11	0	22	0	33	0	39	12	44	55	0	69	6	0	110	0	132	0
1	2	6	2	5	0	3	7	6	4	10	0	5	12	6	11	5	22	10	33	15	40	10	45	56	5	70	17	6	112	10	135	0
1	3	0	2	6	0	3	9	0	4	12	0	5	15	0	11	10	23	0	34	10	41	8	46	57	10	72	9	0	115	0	138	0
1	3	6	2	7	0	3	10	6	4	14	0	5	17	6	11	15	23	10	35	5	42	6	47	58	15	74	0	6	117	10	141	0
1	4	0	2	8	0	3	12	0	4	16	0	6	0	0	12	0	24	0	36	0	43	4	48	60	0	75	12	0	120	0	144	0
1	4	6	2	9	0	3	13	6	4	18	0	6	2	6	12	5	24	10	36	15	44	2	49	61	5	77	3	6	122	10	147	0
1	5	0	2	10	0	3	15	0	5	0	0	6	5	0	12	10	25	0	37	10	45	0	50	62	10	78	15	0	125	0	150	0
1	6	0	2	12	0	3	18	0	5	4	0	6	10	0	13	0	26	0	39	0	46	16	52	65	0	81	18	0	130	0	156	0
1	7	0	2	14	0	4	1	0	5	8	0	6	15	0	13	10	27	0	40	10	48	12	54	67	10	85	1	0	135	0	162	0
1	8	0	2	16	0	4	4	0	5	12	0	7	0	0	14	0	28	0	42	0	50	8	56	70	0	88	4	0	140	0	168	0
1	9	0	2	18	0	4	7	0	5	16	0	7	5	0	14	10	29	0	43	10	52	4	58	72	10	91	7	0	145	0	174	0
1	10	0	3	0	0	4	10	0	6	0	0	7	10	0	15	0	30	0	45	0	54	0	60	75	0	94	10	0	150	0	180	0
1	11	0	3	2	0	4	13	0	6	4	0	7	15	0	15	10	31	0	46	10	55	16	62	77	10	97	13	0	155	0	186	0
1	12	0	3	4	0	4	16	0	6	8	0	8	0	0	16	0	32	0	48	0	57	12	64	80	0	100	16	0	160	0	192	0
1	13	0	3	6	0	4	19	0	6	12	0	8	5	0	16	10	33	0	49	10	59	8	66	82	10	103	19	0	165	0	198	0
1	14	0	3	8	0	5	2	0	6	16	0	8	10	0	17	0	34	0	51	0	61	4	68	85	0	107	2	0	170	0	204	0
1	15	0	3	10	0	5	5	0	7	0	0	8	15	0	17	10	35	0	52	10	63	0	70	87	10	110	5	0	175	0	210	0
1	16	0	3	12	0	5	8	0	7	4	0	9	0	0	18	0	36	0	54	0	64	16	72	90	0	113	8	0	180	0	216	0
1	17	0	3	14	0	5	11	0	7	8	0	9	5	0	18	10	37	0	55	10	66	12	74	92	10	116	11	0	185	0	222	0
1	18	0	3	16	0	5	14	0	7	12	0	9	10	0	19	0	38	0	57	0	68	8	76	95	0	119	14	0	190	0	228	0
1	19	0	3	18	0	5	17	0	7	16	0	9	15	0	19	10	39	0	58	10	70	4	78	97	10	122	17	0	195	0	234	0
2	0	0	4	0	0	6	0	0	8	0	0	10	0	0	20	0	40	0	60	0	72	0	80	100	0	126	0	0	200	0	240	0
2	10	0	5	0	0	7	10	0	10	0	0	12	10	0	25	0	50	0	75	0	90	0	100	125	0	157	10	0	250	0	300	0

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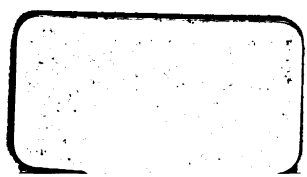
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